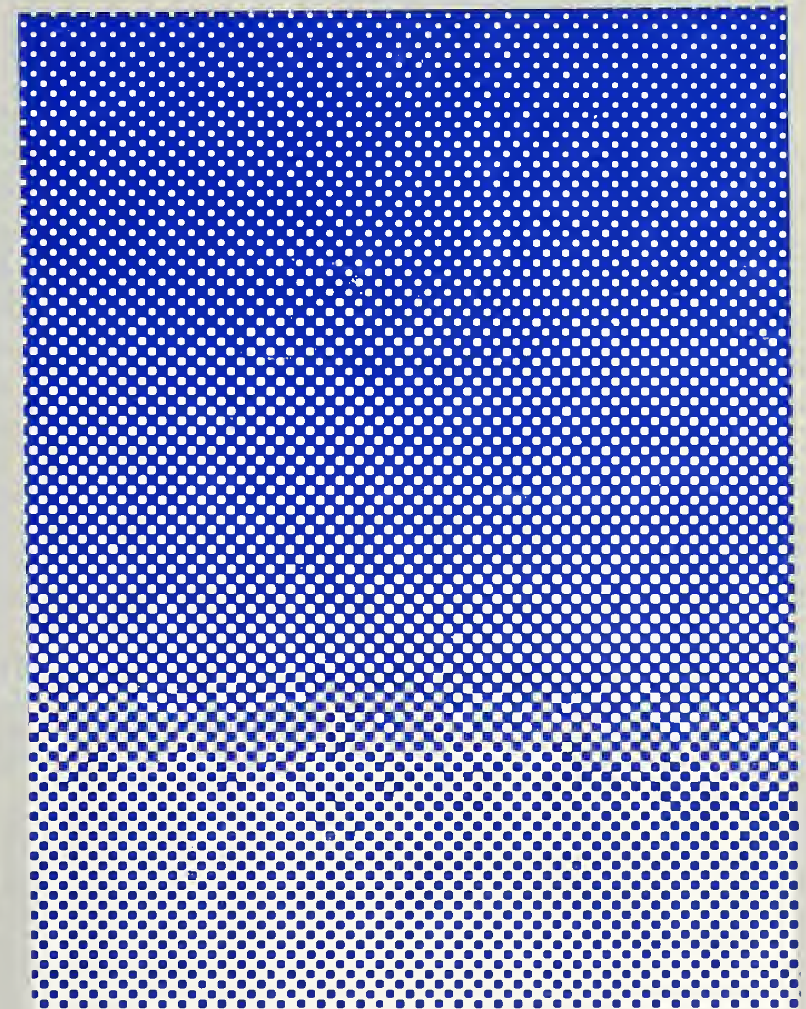
MEDICARE HOSPITAL MORTALITY INFORMATION



87

Alaska, Idaho, Oregon, Washington

Region X

U.S. Department of Health and Human Services
Health Care Financing Administration

PUBS
RA
981
A2
M43
1987 Region X

RA981
.A2
M43
1987
Region X

MEDICARE HOSPITAL MORTALITY INFORMATION

1987

ALASKA, IDAHO, OREGON, WASHINGTON

REGION X

OTIS R. BOWEN, M.D.
SECRETARY
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WILLIAM L. ROPER, M.D.
ADMINISTRATOR
HEALTH CARE FINANCING ADMINISTRATION

The Health Care Financing Administration (HCFA) was established on March 9, 1977, to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 56 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

TABLE OF CONTENTS

INTRODUCTION i
DESCRIPTION OF MORTALITY INFORMATION v

ALASKA

ALASKA NATIVE HOSPITAL (PHS) 1
ALASKA NATIVE MEDICAL CENTER (PHS) 2
BARTLETT MEMORIAL HOSPITAL 3
CENTRAL PENINSULA GENERAL HOSPITAL 4
CORDOVA COMMUNITY HOSPITAL 5
FAIRBANKS MEMORIAL HOSPITAL 6
HUMANA HOSPITAL ALASKA 7
KANAKANAK HOSPITAL 10
KETCHIKAN GENERAL HOSPITAL 11
KODIAK ISLAND HOSPITAL 12
MOUNT EDGECUMBE HOSPITAL 13
NORTON SOUND REGIONAL HOSPITAL 14
PETERSBURG GENERAL HOSPITAL 15
PHS ALASKA NATIVE SVC HOSPITAL 16
PROVIDENCE HOSPITAL 17
SEWARD GENERAL HOSPITAL 18
SITKA COMMUNITY HOSPITAL 19
SOUTH PENINSULA HOSPITAL 20
VALDEZ COMMUNITY HOSPITAL 22
VALLEY HOSPITAL 23
WRANGELL GENERAL HOSPITAL 25
YUKON KUSKOKWIM DELTA REG'L HOSPITAL 26

IDAHO

ASHTON MEMORIAL HOSPITAL 27
BANNOCK MEMORIAL HOSPITAL 28
BEAR LAKE MEMORIAL HOSPITAL 31
BENEWAH COMMUNITY HOSPITAL 32
BINGHAM MEMORIAL HOSPITAL 33
BLAINE COUNTY MEDICAL CENTER 35
BONNER GENERAL HOSPITAL 36
CARIBOU MEMORIAL HOSPITAL 39
CASSIA MEMORIAL HOSPITAL & MEDICAL C 40
CLEARWATER VALLEY HOSPITAL 41
COMMUNITY HOSPITAL (BOUNDARY) 42
COUNCIL COMMUNITY HOSPITAL 43
EASTERN IDAHO REG'L MEDICAL CENTER 44
ELMORE MEMORIAL HOSPITAL 45
FRANKLIN COUNTY MEDICAL CENTER 46
FREMONT GENERAL HOSPITAL 47
GOODING COUNTY MEMORIAL HOSPITAL 48
GRITMAN MEMORIAL HOSPITAL 49
HARMS MEMORIAL HOSPITAL 50

HENRY L. DAY MEDICAL CENTER . . . 51
IDAHO STATE HOSPITAL . . . 52
KOOTENAI MEDICAL CENTER . . . 53
LOST RIVERS HOSPITAL . . . 56
MADISON MEMORIAL HOSPITAL . . . 57
MAGIC VALLEY REGIONAL MEDICAL CENTER . . . 58
MARSH VALLEY HOSPITAL . . . 61
MCCALL MEMORIAL HOSPITAL . . . 62
MEMORIAL HOSPITAL . . . 63
MERCY MEDICAL CENTER . . . 64
MINIDOKA MEMORIAL HOSPITAL . . . 66
MORITZ COMMUNITY HOSP . . . 67
ONEIDA COUNTY HOSPITAL . . . 68
POCATELLO REGIONAL MEDICAL CENTER . . . 69
SHOSHONE MEDICAL CENTER . . . 71
ST ALPHONSUS REGIONAL MEDICAL CENTER . . . 72
ST BENEDICT'S FAMILY MEDICAL CENTER . . . 75
ST LUKE'S REGIONAL MEDICAL CENTER . . . 76
ST MARY'S HOSPITAL . . . 79
ST. JOSEPH'S REGIONAL MEDICAL CENTER . . . 81
STEELE MEMORIAL HOSPITAL . . . 83
SYRINGA GENERAL HOSPITAL . . . 85
TETON VALLEY HOSPITAL . . . 88
TWIN FALLS CLINIC HOSPITAL . . . 89
VALLEY COUNTY HOSPITAL . . . 90
WALTER KNOX MEMORIAL HOSPITAL . . . 91
WEST VALLEY MEDICAL CENTER . . . 92

OREGON

ALBANY GENERAL HOSPITAL . . . 93
ASHLAND COMMUNITY HOSPITAL . . . 96
BAY AREA HOSPITAL . . . 97
BESS KAISER MEDICAL CENTER . . . 98
BLUE MOUNTAIN HOSPITAL . . . 101
CASCADE COMMUNITY HOSPITAL . . . 102
CENTRAL OREGON DISTRICT HOSPITAL . . . 103
COLUMBIA HOSPITAL . . . 104
COQUILLE VALLEY HOSPITAL . . . 105
COTTAGE GROVE HOSPITAL . . . 106
CURRY GENERAL HOSPITAL . . . 107
DOUGLAS COMMUNITY HOSPITAL . . . 108
EASTMORELAND GENERAL HOSPITAL . . . 109
EMANUEL HOSPITAL . . . 110
EUGENE HOSPITAL AND CLINIC . . . 111
FOREST GROVE COMMUNITY HOSPITAL . . . 112

GOOD SAMARITAN HOSP & MEDICAL CNTR 113
GOOD SAMARITAN HOSPITAL 114
GOOD SHEPHERD COMMUNITY HOSPITAL 115
GRANDE RONDE HOSPITAL 116
HARNEY COUNTY HOSPITAL 119
HARVEY E RINEHART MEMORIAL HOSPITAL 120
HOLLADAY PARK MEDICAL CENTER 121
HOLY ROSARY HOSPITAL 122
HOOD RIVER MEMORIAL HOSPITAL 124
JOSEPHINE MEMORIAL HOSPITAL 125
KAISER SUNNYSIDE MEDICAL CENTER 126
LAKE DISTRICT HOSPITAL 129
LEBANON COMMUNITY HOSPITAL 130
LOWER UMPQUA HOSPITAL 132
MALHEUR MEMORIAL HOSPITAL 133
MCKENZIE-WILLAMETTE MEMORIAL HOSPITAL 134
MCMINNVILLE COMMUNITY HOSPITAL 137
MEDICAL CENTER HOSPITAL 138
MERCY FOREST GLEN HOSPITAL 139
MERCY MEDICAL CENTER INC 141
MERIDIAN PARK HOSPITAL 142
MERLE WEST MEDICAL CENTER 143
MID-COLUMBIA MEDICAL CENTER 146
MOUNT HOOD MEDICAL CENTER 147
MOUNTAIN VIEW HOSPITAL 150
NEWBERG COMMUNITY HOSPITAL 152
NORTH LINCOLN HOSPITAL 153
OREGON HEALTH SCIENCES UNIV HOSPITAL 154
PACIFIC COMMUNITIES HOSPITAL 155
PIONEER MEMORIAL HOSPITAL 156
PIONEER MEMORIAL HOSPITAL 157
PORTLAND ADVENTIST MEDICAL CENTER 158
PROVIDENCE HOSPITAL 161
PROVIDENCE MEDICAL CENTER 162
PROVIDENCE MILWAUKIE HOSPITAL 165
ROGUE VALLEY MEDICAL CENTER 166
SACRED HEART GENERAL HOSPITAL 167
SALEM HOSPITAL 169
SANTIAM MEMORIAL HOSPITAL 170
SEASIDE GENERAL HOSPITAL 171
SILVERTON HOSPITAL 172
SOUTHERN COOS GENERAL HOSPITAL 173
SOUTHERN OREGON MEDICAL CENTER 174
ST ANTHONY HOSPITAL 175
ST CHARLES MEDICAL CENTER 176
ST ELIZABETH HOSPITAL & HEALTH CARE 177

ST VINCENT HOSPITAL & MEDICAL CENTER 178
ST. HELENS HOSPITAL & HEALTH CTR 180
TILLAMOOK COUNTY GENERAL HOSPITAL 181
TUALITY COMMUNITY HOSPITAL 182
UMPQUA VALLEY COMMUNITY HOSPITAL 183
VALLEY COMMUNITY HOSPITAL 184
WALLOWA MEMORIAL HOSPITAL 185
WESTERN LANE HOSPITAL DISTRICT 186
WILLAMETTE FALLS COMMUNITY HOSPITAL 187
WOODLAND PARK HOSPITAL 188

WASHINGTON

AUBURN GENERAL HOSPITAL 189
BALLARD COMMUNITY HOSPITAL 191
BLACK HILLS COMMUNITY HOSPITAL 192
CASCADE GENERAL HOSPITAL 193
CASCADE VALLEY HOSPITAL 194
CENTRAL WASHINGTON HEALTH SERVICES 195
CENTRALIA GENERAL HOSPITAL 196
COLUMBIA BASIN HOSPITAL 197
COMMUNITY MEMORIAL HOSPITAL 198
COULEE COMMUNITY HOSPITAL 199
DAYTON GENERAL HOSPITAL 200
DEACONESS HOSPITAL 201
DEER PARK HEALTH CENTER HOSP 203
EVERGREEN HOSPITAL MEDICAL CENTER 204
FERRY COUNTY MEMORIAL HOSPITAL 205
FIFTH AVENUE MEDICAL CENTER 206
FORKS COMMUNITY HOSPITAL 207
FRED HUTCHINSON CANCER RESEARCH CENT 208
GARFIELD MEMORIAL HOSPITAL 209
GENERAL HOSPITAL MEDICAL CENTER 210
GOOD SAMARITAN HOSPITAL 211
GRAYS HARBOR COMMUNITY HOSPITAL 213
GROUP HEALTH HOSPITAL 214
HARBORVIEW MEDICAL CENTER 215
HARRISON MEMORIAL HOSPITAL 218
HIGHLINE COMMUNITY HOSPITAL 220
HOLY FAMILY HOSPITAL 221
HOSPICE CARE CENTER HOSPITAL 222
HUMANA HOSPITAL-TACOMA 223
ISLAND HOSPITAL 226
JEFFERSON GENERAL HOSPITAL 227
KADLEC MEDICAL CENTER 229
KENNEWICK GENERAL HOSPITAL 231

KITTITAS VALLEY COMMUNITY HOSPITAL 232
KLICKITAT VALLEY HOSPITAL 233
LAKE CHELAN COMMUNITY HOSPITAL 234
LAKEWOOD GENERAL HOSPITAL 235
LINCOLN HOSPITAL 236
MADIGAN GEN HOSP 238
MARK REED HOSPITAL 239
MASON GENERAL HOSPITAL 240
MEDICAL-DENTAL BUILDING HOSPITAL 241
MEMORIAL HOSPITAL-ODESSA 242
MEMORIAL HOSPITAL-PULLMAN 243
MID-VALLEY HOSPITAL 244
MONTICELLO MEDICAL CENTER 245
MORTON GENERAL HOSPITAL 248
MOUNT CARMEL HOSPITAL 249
MOUNT LINTON HOSPITAL 250
NEW VALLEY OSTEOPATHIC HOSPITAL 251
NEWPORT COMMUNITY HOSPITAL 252
NORTH VALLEY HOSPITAL 253
NORTHGATE GENERAL HOSPITAL 254
NORTHWEST HOSPITAL 256
OCEAN BEACH HOSPITAL 258
OKANOGAN-DOUGLAS COUNTY HOSPITAL 259
OLYMPIC MEMORIAL HOSPITAL 260
OTHELLO COMMUNITY HOSPITAL 262
OUR LADY OF LOURDES HOSPITAL 263
OVERLAKE HOSPITAL MEDICAL CENTER 264
PACIFIC MEDICAL CENTER 266
PROSSER MEMORIAL HOSPITAL 267
PROVIDENCE CENTRAL MEMORIAL HOSPITAL 268
PROVIDENCE HOSPITAL 269
PROVIDENCE MEDICAL CENTER 270
PUGET SOUND HOSPITAL 272
QUINCY VALLEY HOSPITAL 273
RITZVILLE MEMORIAL HOSPITAL 275
RIVERTON GENERAL HOSPITAL 276
SACRED HEART MEDICAL CENTER 277
SAMARITAN HOSPITAL 279
SHOREWOOD OSTEOPATHIC HOSPITAL 280
SKAGIT VALLEY HOSPITAL & HEALTH CENT 281
SKYLINE HOSPITAL 283
SNOQUALMIE VALLEY HOSPITAL 284
ST ELIZABETH MEDICAL CENTER 285
ST HELEN HOSPITAL 287
ST JOHN'S MEDICAL CENTER 288
ST JOSEPH COMMUNITY HOSPITAL 291

ST JOSEPH HOSPITAL 292
ST JOSEPH HOSPITAL HEALTH CARE CTR 293
ST JOSEPH'S HOSPITAL 295
ST JOSEPH'S HOSPITAL 296
ST LUKE'S GENERAL HOSPITAL 297
ST LUKE'S MEMORIAL HOSPITAL 298
ST PETER HOSPITAL 300
ST. CABRINI HOSPITAL OF SEATTLE 301
ST. FRANCIS COMMUNITY HOSPITAL 302
ST. MARY MEDICAL CENTER 303
STEVENS MEMORIAL HOSPITAL 305
SUNNYSIDE GENERAL HOSPITAL 306
SWEDISH HOSPITAL MEDICAL CENTER 307
TACOMA GENERAL HOSPITAL 308
TRI-STATE MEMORIAL HOSPITAL 310
UNITED GENERAL HOSPITAL 311
UNIVERSITY HOSPITAL 312
VA HOSP 313
VALLEY GENERAL HOSPITAL 314
VALLEY HOSPITAL & MEDICAL CENTER 315
VALLEY MEDICAL CENTER 317
VANCOUVER MEMORIAL HOSPITAL 319
VIRGINIA MASON HOSPITAL 320
WALLA WALLA GENERAL HOSPITAL 323
WEST SEATTLE COMMUNITY HOSPITAL 324
WHIDBEY GENERAL HOSPITAL 325
WHITMAN COMMUNITY HOSPITAL 326
WILLAPA HARBOR HOSPITAL 327
YAKIMA VALLEY MEMORIAL HOSPITAL 328

TECHNICAL APPENDIX A-1

INTRODUCTION

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, now has 31 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. We believe that the publication of the Medicare hospital mortality information contained in this document will contribute to that end.

This particular information release presents information to answer the question: "What is the actual death rate for each hospital compared to what would have been expected for that particular hospital, given what we know of the characteristics of patients admitted?" The statistics are presented in the hope that they will serve the public and the hospitals in their common interest of improving quality of care.

The development of mortality statistics is a complicated and controversial task, since the mortality rate at a given hospital may reflect, among other factors, age, sex, diagnosis, and severity of illness of patients admitted to that hospital, as well as the purpose and quality of the care they received. Characteristics affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations will vary.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted and the stability of these rates over time for each hospital. It is important to understand that the difference between the hospital's mortality rate and the predicted values in the tables contained in this document may not be a direct measure of the quality of care rendered in hospitals. There is one primary reason for this: we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals might have very different death rates for patients admitted for stroke, even after we have adjusted for age and sex. This might happen because one hospital's stroke patients consist of a significant number admitted in a coma and are thus more likely to die, whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support) and overall health status are not included in the predictive model because information on them is not readily available.

When properly understood and used, this information can be useful; it can also be very misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care, and is best used to view experience in individual hospitals rather than making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the ranges predicted by HCFA's model. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We asked each hospital to prepare its comments on the information being released to the public, and we are including those comments in this publication.

This information is an important contribution to the health care community and should be reviewed by a wide range of individuals and organizations including hospital administrators, Peer Review Organizations, physicians, and researchers. Among these audiences, perhaps the hospital administrator will find the information most useful--as a screening tool and in consulting with medical staff to evaluate a hospital's strengths and weaknesses. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed. For example, we expect that hospitals and their medical staffs, using established and newly emerging quality assessment techniques, will try to determine what useful information can be derived about their hospitals and how they function.

Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided, and should consider carefully the different roles that different hospitals play in their community. For example, one hospital might have different death rates than another because it serves more severely ill patients or because it is a trauma or emergency center.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we continue to believe that the models used in this work are reasonable and appropriate for the intent of the publication.

This year we made three significant changes in the way in which we presented this information:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on this year's methodology.

- Second, we are including information about each hospital, such as bed size and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files.

- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices.

During our discussions with the experts, it was further recommended that we concentrate our efforts this year on validation of the data. Therefore, we have undertaken the following validation studies targeted to coincide with this year's release of the Hospital Mortality Information:

- HCFA is engaged in a statistical evaluation of the Hospital Mortality Information using clinical data abstracted by MediQual Systems, Inc. from over 40,000 medical records from a carefully selected sample of hospitals. The data consist of clinical characteristics of Medicare patients as ascertained in the first 48 hours of hospitalization, and include data from the patient history and preadmission findings, to permit assessment of the severity of illness at admission and its impact upon mortality. The validation consists of a comparison of the results of the mortality rate analyses with and without the adjustments for patient severity permitted by the specially obtained clinical data. This will allow conclusions about the extent to which patient severity impacts the mortality rates. Hospitals which participated in this study have done so voluntarily. HCFA has shared hospital specific results with each facility from which medical records were abstracted.

- We will be comparing results of the mortality rate analyses with the results found by all Peer Review Organizations (PROs) in applying HCFA's Generic Quality Screens to cases reviewed as a part of ongoing PRO review activities. The purpose of this particular validation effort is to determine the extent to which an alternative presumed measure of quality of care correlates with mortality rates.

In addition, the format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals during the past 2 years regarding their patient-specific data and our mortality information publication.

Many suggestions from these sources have been incorporated into the final publication. For example, following the release, we examined a limited number of cases in which hospitals advised us that an individual shown as deceased on HCFA's records was in fact alive. An analysis of specific cases confirmed that there was a report of a date of death in the HCFA data base at the time the Medicare hospital mortality information was being analyzed. In most cases, we found that the source of the date of death in the record was the hospital inpatient bill provided by the facility. For example, the HCFA records showed that a bill submitted by Hospital "X" for an inpatient stay for a patient ending February 12, 1986 indicated the patient status at time of discharge as "Expired." This bill was processed on April 8, 1986 and served as part of the HCFA data base at the time we prepared the release of hospital mortality information. (For Medicare hospital mortality analyses, we used the Medicare billing records received for the June update of the MEDPAR file.) In July 1987, a bill was processed by HCFA for a subsequent hospital stay for this beneficiary and as a result we removed the date of death from our records. Unfortunately, this subsequent information was obtained too late to be included in the final information release. Although this type of billing problem was minimal on a national basis, we hope that an indirect byproduct of this process will be improved accuracy in coding and billing procedures.

The publication of Medicare Hospital Mortality Information is an ongoing process at HCFA. We are continuing to do everything we can to make this information more useful to both the public and the health care professions. We are refining ways to use the information as a screening tool for "quality of care" purposes, and we are developing tools to adjust for differences in disease severity. Thus, this year we provided hospitals with information on the Medicare Mortality Predictor System (MMPS) which is designed to help hospitals interpret the mortality rates of their patients. In addition, because we recognize that mortality rates alone do not adequately measure how effectively a hospital cares for its patients, we will be developing other measures of outcome, such as the need for medical treatment after discharge, to assess the performance of hospitals more fully.

Just as we made improvements in the methodology used last year, we expect that when the 1989 release is published, it, too, will reflect progress toward more accurate and useful information for hospitals, physicians, and consumers alike. This will contribute to assessment of and improvement in the effectiveness of medical services.

William L. Roper M.D.

William L. Roper, M.D.
Administrator

DESCRIPTION OF MORTALITY INFORMATION

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information in this document.

The analyses of the mortality rates associated with hospitalizations in 1987 are very similar to those carried out last year on Medicare hospitalizations which occurred in 1986. Only one hospitalization for every patient was used--the last hospitalization with a discharge in calendar year 1987. The event evaluated was death within 30 days of admission to the hospital.

For each hospital, information is presented for overall Medicare patient mortality and each of 16 diagnostic categories. The information consists of the number of Medicare patients, the actual mortality rate, and a range of predicted mortality, given the mix of patients.

The reader should note three significant changes in the way the information is organized in this year's publication:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on the revised methodology discussed below.
- Second, we are including information about each hospital, such as bed size and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files. These hospital characteristics are found at the bottom of each hospital summary page containing the 1986 and 1987 mortality rates and ranges. A more detailed discussion of the hospital characteristics can be found in the section entitled "Hospital Characteristics Definitions."
- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices. Thus, the hospital information and comments are arranged alphabetically by State within each State's respective regional volume. A complete listing of States by region (and volume) can be found at Table 1.

Before reviewing the summary table for your hospital, it would be helpful to describe how the numbers were derived and what they mean:

- Number of Cases. This figure is the number of individual Medicare beneficiaries whose last discharge from a short term, acute care hospital in a calendar year was from the hospital listed. The total number for each hospital is presented under the category "all cases."

Similarly, for each diagnostic category, the number of cases consists of the number of Medicare beneficiaries whose last discharge in the calendar year was from the hospital cited and whose principal diagnosis at admission fell within the specific diagnostic category.

Since only a patient's last hospital discharge (including death occurring in a hospital) is "counted" in the total number, HCFA's computation and that maintained by individual hospitals will generally differ. For example, if John Doe was a patient at Hospital A three times during 1987, the methodology used in HCFA's analysis counts only the last discharge in 1987 in the hospital's total. Normally, a hospital maintains statistics regarding each of its admissions and so would count Mr. Doe as three cases. In addition, in this example, if Mr. Doe were admitted later in the year to Hospital B (another acute care hospital) and then discharged in 1987, and this latter stay represented his last discharge for 1987, his case would be counted in Hospital B's total and he would not appear at all in Hospital A's count.

The key factor to remember is that we are examining last hospital discharges in 1987. In some cases, this will necessitate the inclusion of certain patients admitted to the hospital in 1986 or who died in January 1988.

- Actual Mortality Rate. This figure presents the percentage of each hospital's Medicare patients who died within 30 days of the admission that resulted in the last-occurring discharge of the patient in 1987. (The percentage is rounded to the nearest whole percentage point.)

  Where, for example, Hospital A had a universe of 1000 patients whose last acute care hospital discharge in 1987 was from Hospital A, and 100 of these patients died within 30 days of their admission, whether as hospital inpatients or after discharge, the actual mortality rate would be 10 percent. This rate includes cases in which a beneficiary was admitted to the hospital in 1986 and was discharged in 1987. It also includes those instances in which a beneficiary was discharged in 1987 and died within 30 days of admission, even though the 30-day period extends into 1988. Cases in which the beneficiary was not discharged in 1987 are not part of the rate. For example, a person who was admitted to a hospital on December 28, 1987, discharged on January 5, 1988 and died on January 8, 1988 would not be a part of the calculation, even though that person died within 30 days of a 1987 admission.

- Range for Predicted Mortality. This column gives an estimate of mortality rates for cases equal in number and with the average characteristics of the cases treated by the hospital. The range is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: the number of high, low, and undefined risk hospital admissions in the previous six months, transfer status, age, sex, and presence of up to four of eight possible comorbid conditions--cancer, chronic cardiovascular disease, cerebrovascular degeneration/chronic psychosis, chronic pulmonary disease, chronic renal disease, chronic liver disease, diabetes, hypertensive disease--and by applying weights of the risk factors to the actual number of patients at the hospital to enable compilation of an expected mortality rate. This rate is converted, with adjustment for the variability expected given the number of cases, to a range of predicted mortality rates. It is important to note that the fewer the number of cases included in a given diagnostic category, the greater the uncertainty of the expected mortality range and, therefore, the wider the range. A larger number of cases yields greater precision, and therefore, a more narrow range of predicted mortality rates.

The principal source of data for the analysis was the HCFA Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospital discharge. Information about beneficiaries, including date of death, was obtained from the Social Security Administration.

The analyses were performed by means of logistic regression, with patients grouped into 17 distinct diagnostic categories: ten high risk and six low risk and one category containing all others. Similar to last year, the risk factors (covariates) included in the regression analyses within each diagnostic category were age, sex, significant comorbidities, number of admissions by risk category within 6 months, and status as a transfer patient. However, in response to comments on last year's definition of the diagnostic categories, the present categories are more risk-homogeneous. That is, the mortality rates associated with the ICD-9-CM codes for the principal diagnoses were evaluated and were used to determine whether a code should be placed in the high risk, the low risk, or the "undefined" category. Consequently, while the diagnostic categories still follow medical disciplinary lines, the range of mortality rates in each diagnostic category is more restricted. The net result is that the 16 specifically defined categories now account for about 65 percent of the patients, compared to 70 percent last year, and for about 72 percent of deaths, compared to 80 percent last year. A list of the ICD-9-CM codes used in each diagnostic category is attached in Table 2 and the list of the comorbidities is attached in Table 3. In the process of making these adjustments in the diagnostic categories, we have also modified the names of five categories to reflect more accurately their composition. These changes are: Neuropsychiatric/Sensory Disease (formerly Opthalmologic Disease), Musculoskeletal/Skin Conditions (formerly Orthopedic Disorders), Renal Failure (formerly Renal Disease), Infectious Disease (formerly Sepsis) and Cerebrovascular Accidents (formerly Stroke).

HOSPITAL COMMENTS

On September 15, 1988, HCFA mailed to each hospital its own mortality information and asked for comments by October 24, 1988. Each hospital's comments, if any, immediately follow its mortality information. The comments are generally reproduced as submitted by the hospital. However, some hospitals returned to HCFA an annotated copy of the information sent on September 15. These annotated materials have not been reproduced in this publication.

even in those instances where they were the only form of comments submitted by a hospital. The reason for not printing these materials is one of privacy or because it would result in duplication of characteristics already corrected by HCFA. Information which would identify or possibly identify patients must be deleted, which would cause any remaining information to be of extremely limited, if any, use. Therefore, we have included a statement to identify instances when these types of materials have not been included. Other hospitals submitted comments that were more lengthy than those which we specified in our September 15 letter would be permitted and, therefore, were edited. As mentioned earlier, it is extremely important that the information presented in the tables be reviewed in concert with the hospital's comments.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner to allow every opportunity for review and comment. Therefore, even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances were few in number.

INFORMATION SOURCES AND NOTES

It is important to note that this publication is based primarily on Medicare hospital billing information for calendar years 1985, 1986, and 1987. While the principal source for the analysis was the HCFA-maintained MEDPAR file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit such information to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries). The file is updated quarterly. It is estimated that billing information on approximately 95 percent of all Medicare discharges is included in the MEDPAR file within 6 months of the close of the calendar year. Accordingly, our analysis was based on information received through June 10, 1988.

In any large-scale data base such as one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results.

Nonetheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is being reviewed:

- The information used is billing data and is only as good as the information submitted by hospitals as a part of the payment process. Although there is always a possibility that coding errors are included, for our purposes here, it is assumed that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly.

- The hospitals included in this analysis are short-term, acute care facilities which were identified by their unique provider number. All facilities which have a zero in the third position of their provider number are by definition participating in Medicare as short-term, acute care facilities. All other facilities--those with something other than a zero in the third position of the provider number--were excluded from the analysis. In some cases, hospital names suggest an orientation different from acute care. This does not mean the facility is inappropriately included in the publication.

- There is some information in the file which does not reflect the results of review by Peer Review Organizations (PROs), the entities charged with reviewing hospital services provided to Medicare beneficiaries. For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that it is possible that PRO changes in diagnosis assignment may not be submitted to HCFA and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, any major changes in diagnosis assignment which are not reflected in the data base would have a bearing on calculation of mortality rates in individual diagnostic categories and may also have a bearing on comorbidities. Some hospitals pointed out instances where the hospital's mortality information did not agree with HCFA's; e.g., different date of death, cases of subsequent admission to another facility, or changes in diagnostic codes. The data base used in this analysis has not been revised to reflect these potential discrepancies. Rather, we are examining all hospital comments to ensure that changes to our data systems and processes can be made when warranted so that future releases will be even more accurate. Readers are urged to review any hospital comments with a specific view toward these types of issues.

- The predictive model used in this effort does not explain all variability in outcome. Most notably, a measure of severity of illness has not been included in the model, and, therefore, the predictive power of the model is less precise than it would be if such a measure had been available. Nonetheless, the information included in this document does legitimately contribute to the body of information about hospital performance.

HOSPITAL CHARACTERISTICS DEFINITIONS

In this year's publication, we have included hospital characteristics information such as bed size, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association (AHA) 1987 Annual Survey of Hospital Files. Where hospitals did not provide information on a particular item, it has been listed as "not available." This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's Medicare/Medicaid Automated Certification System (MMACS) Files.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges.

SURVEY AND YEAR: AHA 1987	Source = American Hospital Association 1987 Annual Survey of Hospital Files
o Total beds (#):	Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up and staffed for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.
o Occupancy rate (%):	Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)
o Ownership/control:	State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government
STAFFING:	
o Total number of physicians:	Total active and associate medical staff
o Percent of Board-Certified Specialists	Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.
o Interns and residents:	Full-time equivalent (FTE) medical residents
o Registered nurses:	Full-time equivalent (FTE) registered nurses
o Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

SPECIALTY SERVICES:

o Shock/trauma unit:	Provides emergency and specialized intensive care to critically injured patients.
o Burn unit:	Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.
o Medical/surgical intensive care:	Provides nursing care to adult and/ or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening condi- tions, require intensified, compre- hensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.
o Cardiac intensive care:	Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

o Organ transplant service	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o Hospice care:	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Medicare/Medicaid Automated Certification System (MMACS) definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges. Please note that there are no specific definitions of the specialty services in MMACS, and the characteristics that appear are those reported by the hospital.

SURVEY AND YEAR: HCFA 19_	Source = Health Care Financing Administration MMACS Files
o Total beds (#):	Total number of operational beds eligible for Medicare reimbursement.
o Ownership/control:	Church; private; Federal, State, local government, or hospital district or authority; proprietary.
STAFFING:	
o Interns and residents:	Full-time equivalent (FTE) medical residents
o Registered nurses:	Full-time equivalent (FTE) registered nurses
o Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

o	**Organ transplant service:**	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o	**Hospice care:**	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

Table 1

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont	Boston(I)
New Jersey New York Puerto Rico Virgin Islands	New York(II)
Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia	Philadelphia(III)
Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee	Atlanta(IV)
Illinois Indiana Michigan Minnesota Ohio Wisconsin	Chicago (V)
Arkansas Louisiana New Mexico Oklahoma Texas	Dallas (VI)

Table 1 (Cont.)

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Iowa	Kansas City(VII)
Kansas	
Missouri	
Nebraska	
Colorado	Denver(VIII)
Montana	
North Dakota	
South Dakota	
Utah	
Wyoming	
American Samoa/Guam	San Francisco(IX)
Arizona	
California	
Hawaii	
Nevada	
Alaska	Seattle(X)
Idaho	
Oregon	
Washington	

Table 2

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
High Risk	
Cancer	141, 147, 150-151, 156-159, 162.2-164, 171.5, 171.8, 171.9, 172.8, 179, 180.9 183, 189.0, 191, 192.2, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.8, 198.0- 198.1, 198.3-198.8, 199-208
Cerebrovascular Accidents	430-432, 433.0, 434, 436
Severe Acute Heart Disease	410, 415, 421.0, 421.9, 423.0-423.2, 427.4-427.5, 441.0, 441.1, 441.3, 441.5, 444.1, 447.2, 785.5
Severe Chronic Heart Disease	397, 398.91, 416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 441.2, 442.2, 453.2
Gastrointestinal Catastrophes	452, 453.0, 456.0, 456.20, 530.4, 530.8, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 551, 557.0, 558.2, 560.0, 560.2, 560.89, 567, 569.83, 570, 571.2, 571.5-571.6, 572.2-572.4, 572.8
Metabolic/ Electrolyte Disorders	250.2-250.3, 260-263, 273, 275.4, 276.0, 276.2, 276.4-276.5, 277.3
Pulmonary Disease	481, 482.0-482.1, 482.3-482.9, 485-486, 500-505, 507, 508.0, 510, 511.1-511.9, 512-516.0, 518.0-518.1, 518.4, 518.5, 519.2-519.3
Renal Failure	584-586
Infectious Disease	018, 027.0, 036, 038, 040, 046-048, 049.0-049.1, 054, 060, 070.0, 070.2, 070.4, 070.6, 112, 116-117, 136.3, 320-320.7
Severe Trauma	806.0-806.1, 807.4, 851-853, 861.0-861.1, 861.3, 864, 868-869, 875.1, 901-902, 933.1, 934, 946.3-946.5, 948.4-948.9, 958.4

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Low-Risk	
Neuropsychiatric/Sensory Disease	290-292, 293.1-293.9, 294-309, 311-319, 331.1-331.9, (excluding 331.7), 332-334 (excluding 334.4), 337 (excluding 337.1), 340, 342-343, 344.2-344.9, 345.0-345.2, 345.4-345.9, 346-347, 348.0, 350-358 (excluding 357.1-357.4 and 358.1), 360-389
Gynecologic Disease	614-627 (excluding 619.1)
Low-Risk Heart Disease	390, 393, 401, 402.00, 402.10, 402.90, 405, 411.1-411.8, 413-414, 417, 420.9, 422.9, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433.1-433.9, 435, 437.2, 442.0-442.1, 442.3-442.9, 447.0-447.1, 447.3-447.9, 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0
Gastrointestinal Disease	520-527, 528.2, 528.4-528.9, 529, 530.0-530.3, 530.5-530.7, 530.9, 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.81, 537.9, 540-543, 550, 552, 558.1, 558.9, 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574.00, 574.10, 574.20, 574.30, 574.40, 574.50, 575.0-575.3, 575.5-575.6, 575.9, 576.0, 576.9, 577.1, 577.9, 579
Urologic Disease	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596.0, 596.2-596.5, 596.7-596.9, 597-598, 599.1-599.9, 600-606, 607.0-607.1, 607.3-607.9, 608.0-608.3, 608.8-608.9

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Musculoskeletal/Skin Conditions	680-686, 690-698, 700-706, 707.1-707.9, 708-709, 710.0, 710.2-710.9, 714.0-714.4, 714.89, 714.9, 715-744, 746-758, 800.0, 800.5, 801.0, 801.5, 802, 805, 806.2-806.9, 807.00-807.06, 807.1-807.3, 807.5-807.6, 808-819, 822-838, 839.1-839.9, 840-848, 850, 854.00-854.04, 854.06-854.09, 861.2, 862, 867.1, 867.3-867.9, 870-874, 875.0, 876-887, 890-897, 905-929

The number of digits in the code indicated is important in identifying the included diagnoses. If a 3 digit code is given, all diagnoses with the first three digits indicated are included. Thus, if there is a 4th and 5th digit subclassification for the code, diagnoses with these 4th and 5th digits are included.

If a 4 digit code is given, all diagnoses with the first four digits indicated are included. Additionally, if there is a 5th digit subclassification for the code, the diagnoses with the first four digits indicated and any of the 5th digits are included. Codes specified to the 5th digit were defined with greater clinical detail and include only that diagnosis.

Where a range of codes are specified (such as 290-292) all diagnoses through 292 are included. The rules for interpreting what is included in the 3 digit code of 292 are indicated above.

Table 3

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic Liver Disease	571-572.8
Chronic Renal Disease	582-583.9, 585-587
Chronic Cardiovascular Disease	412-414.9, 426-429.1
Chronic Pulmonary Disease	491-493.9, 496
Cerebrovascular Degeneration/ Chronic Psychosis	290-290.9, 294-299.9
Hypertensive Disease	402-405.99
Diabetes	250.01, 250.1-250.9

(A comorbidity is taken to be present if its ICD-9-CM code appears on the bill as any one of the up to four additional diagnoses beyond the principal diagnosis.)

ALASKA NATIVE HOSPITAL (PHS)

BARROW, AK 99723

Medicare Hospital Provider Number: 020019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	11	18	2 - 56	17	0	3 - 27
Cancer	2	100	10 - 94	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	2	0	0 - 98	1	0	0 -100
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	1	0	0 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	1	0	0 -100
Musculoskeletal/Skin Conditions	0	-	-	2	0	0 - 99
Neuropsychiatric/Sensory Disease	2	0	0 -100	1	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	14
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALASKA NATIVE MEDICAL CENTER (PHS)

255 GAMBELL (PO BOX 7-741)
ANCHORAGE, AK 99510

Medicare Hospital Provider Number: 020026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	348	9	6 - 13	216	10	7 - 15
Cancer	13	23	12 - 59	15	20	20 - 62
Cerebrovascular Accidents	12	33	6 - 59	3	33	2 - 86
Gastrointestinal Catastrophes	5	40	4 - 78	0	-	-
Infectious Disease	5	40	4 - 77	1	0	1 - 97
Metabolic/Electrolyte Disorders	2	0	0 - 99	0	-	-
Pulmonary Disease	15	33	7 - 55	9	56	4 - 66
Renal Failure	1	0	0 - 98	0	-	-
Severe Acute Heart Disease	6	50	10 - 77	5	60	12 - 83
Severe Chronic Heart Disease	7	0	7 - 53	7	14	7 - 64
Severe Trauma	1	0	0 -100	2	50	0 - 97
Gastrointestinal Disease	25	12	0 - 85	22	5	0 - 81
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	13	0	0 - 76	8	0	0 - 99
Musculoskeletal/Skin Conditions	33	0	0 - 69	29	0	0 - 27
Neuropsychiatric/Sensory Disease	52	0	0 - 21	10	0	0 -100
Urologic Disease	18	6	0 -100	18	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	170
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	183
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BARTLETT MEMORIAL HOSPITAL

3260 HOSPITAL DRIVE (P O BOX 3
JUNEAU, AK 99801

Medicare Hospital Provider Number: 020008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	206	7	6 - 14	201	10	6 - 16
Cancer	2	0	2 - 89	2	100	9 - 93
Cerebrovascular Accidents	5	20	5 - 74	7	29	3 - 69
Gastrointestinal Catastrophes	0	-	-	2	0	3 - 88
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	7	14	2 - 67	3	33	2 - 87
Pulmonary Disease	18	11	4 - 41	15	13	5 - 46
Renal Failure	1	100	3 - 99	2	50	1 - 94
Severe Acute Heart Disease	7	29	11 - 72	9	44	13 - 71
Severe Chronic Heart Disease	16	19	5 - 47	11	18	4 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 79	16	0	0 - 68
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	18	0	0 - 52	16	0	0 - 54
Musculoskeletal/Skin Conditions	24	0	0 - 70	15	7	0 - 95
Neuropsychiatric/Sensory Disease	13	8	0 -100	8	0	0 - 98
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

CENTRAL PENINSULA GENERAL HOSPITAL

250 HOSPITAL PLACE (PO BOX 126
SOLDOTNA, AK 99669

Medicare Hospital Provider Number: 020024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	118	8	8 - 19	115	10	7 - 19
Cancer	4	50	11 - 87	0	-	-
Cerebrovascular Accidents	2	50	1 - 93	2	50	2 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	1 - 93	1	0	0 - 98
Metabolic/Electrolyte Disorders	2	50	1 - 93	2	0	0 - 96
Pulmonary Disease	13	0	14 - 42	12	17	8 - 54
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	0	11 - 61	8	25	10 - 68
Severe Chronic Heart Disease	5	40	4 - 77	6	33	4 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 - 95	5	0	0 -100
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	10	0	0 - 97	10	0	0 - 83
Musculoskeletal/Skin Conditions	15	0	0 - 58	12	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	5	0	0 -100
Urologic Disease	0	-	-	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	46
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

CORDOVA COMMUNITY HOSPITAL

P O BOX 160
CORDOVA, AK 99574

Medicare Hospital Provider Number: 020010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	11	0	6 - 39	20	20	4 - 43
Cancer	0	-	-	2	100	7 - 90
Cerebrovascular Accidents	1	0	0 -100	1	0	1 - 97
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	1	0	0 -100	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	0	6 - 89	3	33	5 - 86
Severe Chronic Heart Disease	1	0	2 - 98	2	0	0 - 95
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	1	0	0 -100	1	100	0 - 98
Musculoskeletal/Skin Conditions	1	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	18
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

FAIRBANKS MEMORIAL HOSPITAL

1650 COWLES STREET
FAIRBANKS, AK 99701

Medicare Hospital Provider Number: 020012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	438	9	9 - 15	410	9	7 - 14
Cancer	15	33	19 - 65	9	33	15 - 72
Cerebrovascular Accidents	20	25	8 - 48	13	31	7 - 57
Gastrointestinal Catastrophes	1	100	1 - 97	1	100	1 - 97
Infectious Disease	8	13	12 - 65	8	25	12 - 70
Metabolic/Electrolyte Disorders	2	0	3 - 88	12	25	6 - 58
Pulmonary Disease	33	18	13 - 42	23	22	8 - 45
Renal Failure	0	-	-	2	50	2 - 92
Severe Acute Heart Disease	23	35	18 - 57	8	38	11 - 71
Severe Chronic Heart Disease	26	15	9 - 39	18	17	8 - 45
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	31	0	0 - 34	19	0	0 - 63
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	35	3	0 - 32	37	3	0 - 30
Musculoskeletal/Skin Conditions	53	0	0 - 12	48	2	0 - 36
Neuropsychiatric/Sensory Disease	20	0	0 - 88	32	3	0 - 48
Urologic Disease	10	0	0 -100	13	0	0 - 72

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	130
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	113
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	124
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HUMANA HOSPITAL ALASKA

2801 DEBARR ROAD (POUCH 8-AH)
ANCHORAGE, AK 99508

Medicare Hospital Provider Number: 020017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	344	9	7 - 14	304	8	8 - 16
Cancer	11	18	14 - 61	12	42	17 - 70
Cerebrovascular Accidents	11	45	8 - 63	14	36	10 - 59
Gastrointestinal Catastrophes	3	0	4 - 79	3	33	6 - 87
Infectious Disease	1	0	0 - 99	3	33	3 - 86
Metabolic/Electrolyte Disorders	2	0	1 - 91	5	0	1 - 70
Pulmonary Disease	20	15	7 - 43	19	11	10 - 43
Renal Failure	3	0	3 - 81	3	0	5 - 82
Severe Acute Heart Disease	17	41	19 - 64	7	29	11 - 72
Severe Chronic Heart Disease	11	18	4 - 55	14	14	7 - 48
Severe Trauma	2	50	1 - 94	0	-	-
Gastrointestinal Disease	24	4	0 - 86	22	0	0 - 27
Gynecologic Disease	8	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	33	0	0 - 18	29	0	1 - 18
Musculoskeletal/Skin Conditions	46	0	0 - 20	36	3	0 - 26
Neuropsychiatric/Sensory Disease	19	11	0 - 97	14	0	0 - 75
Urologic Disease	17	0	0 - 99	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	238
Occupancy Rate (%):	37
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	175
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	158
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

[illegible]01 DeBarr Road
P.O. Box 143889
Anchorage, Alaska
99514-3189
Telephone 907 276-1131

Charles P. Stokes
Executive Director

Humana Hospital
Alaska

October 18, 1988

Medicare Provider Number 02-0017

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital - Alaska; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

Our medical records department and quality assurance staff have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We also are concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are requesting that the following changes be made:

Beds (#):	238
Occupancy Rate (%):	37
Total Number of Physicians:	351
Percent of Physicians Who Are Board Certified Specialists:	57
Registered Nurses per Bed:	.97
Licensed Practical Nurses per Bed:	.04

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Charles P Stokes

Charles P. Stokes
Executive Director

CPS:jb

KANAKANAK HOSPITAL

P. O. BOX 130
DILLINGHAM, AK 99576

Medicare Hospital Provider Number: 020021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	37	5	5 - 24	23	9	3 - 33
Cancer	3	67	5 - 87	0	-	-
Cerebrovascular Accidents	1	0	3 - 99	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	2	0	0 - 97	0	-	-
Renal Failure	1	0	1 - 97	0	-	-
Severe Acute Heart Disease	0	-	-	2	50	1 - 93
Severe Chronic Heart Disease	4	0	1 - 75	2	0	6 - 90
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 - 99	4	0	0 -100
Musculoskeletal/Skin Conditions	4	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	0	-	-
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	15
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KETCHIKAN GENERAL HOSPITAL

3100 TONGASS AVE
KETCHIKAN, AK 99901

Medicare Hospital Provider Number: 020004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	12	6 - 19	156	10	7 - 17
Cancer	5	40	12 - 83	7	57	16 - 80
Cerebrovascular Accidents	2	100	2 - 89	7	29	5 - 69
Gastrointestinal Catastrophes	0	-	-	2	0	7 - 91
Infectious Disease	1	100	0 - 98	2	0	0 - 93
Metabolic/Electrolyte Disorders	3	33	2 - 87	2	0	0 - 92
Pulmonary Disease	9	11	3 - 56	9	11	2 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	0	7 - 71	5	20	8 - 75
Severe Chronic Heart Disease	9	11	6 - 55	5	20	5 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	13	1 - 66	11	0	0 - 97
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	5	20	0 - 95	16	0	0 - 67
Musculoskeletal/Skin Conditions	10	0	0 -100	18	0	0 - 96
Neuropsychiatric/Sensory Disease	6	0	0 -100	2	0	0 -100
Urologic Disease	4	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KODIAK ISLAND HOSPITAL

1915 EAST REZANOF DR (PO B0X 1
KODIAK, AK 99615

Medicare Hospital Provider Number: 020013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	53	13	6 - 26	65	8	8 - 23
Cancer	0	-	-	4	50	14 - 90
Cerebrovascular Accidents	2	50	1 - 94	1	100	0 - 99
Gastrointestinal Catastrophes	2	50	1 - 93	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	8	0	10 - 52	6	0	3 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	2 - 97	4	50	12 - 87
Severe Chronic Heart Disease	4	0	1 - 77	5	0	6 - 63
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	3	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	4	0	0 -100	4	0	0 -100
Musculoskeletal/Skin Conditions	4	25	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	4	25	0 - 89	6	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MOUNT EDGECUMBE HOSPITAL

222 TONGASS DR
SITKA , AK 99835

Medicare Hospital Provider Number: 020027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	25	8	0 - 51	22	5	0 - 42
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 98	1	0	0 - 97
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	0 - 98	0	-	-
Severe Chronic Heart Disease	0	-	-	1	100	0 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	1	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	6	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	78
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTON SOUND REGIONAL HOSPITAL

P.O. BOX 966
NOME,, AK 99672

Medicare Hospital Provider Number: 020005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	14	7	4 - 41	28	11	3 - 31
Cancer	1	100	2 - 97	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	3	0	2 - 80	4	0	1 - 74
Renal Failure	0	-	-	2	50	2 - 92
Severe Acute Heart Disease	0	-	-	1	0	2 - 97
Severe Chronic Heart Disease	1	0	0 - 99	2	0	2 - 88
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	2	0	0 -100	1	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	4	25	0 - 99
Neuropsychiatric/Sensory Disease	0	-	-	4	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	42
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PETERSBURG GENERAL HOSPITAL

200 'E' ST (BOX 589)
PETERSBURG, AK 99833

Medicare Hospital Provider Number: 020009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	13	15	0 - 65	18	39	4 - 51
Cancer	0	-	-	3	100	6 - 80
Cerebrovascular Accidents	0	-	-	1	100	0 - 98
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	1	100	0 -100	1	100	3 - 98
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	1 - 97	1	100	2 - 97
Severe Chronic Heart Disease	1	0	0 - 98	2	0	0 - 93
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	0	-	-
Musculoskeletal/Skin Conditions	1	0	0 -100	0	-	-
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	48
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PHS ALASKA NATIVE SVC HOSPITAL

KOTZEBUE, AK 99752

Medicare Hospital Provider Number: 020020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	16	6	1 - 41	14	7	3 - 41
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	100	0 - 98	0	-	-
Pulmonary Disease	1	0	0 - 98	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	2	0	1 - 91	1	0	0 - 98
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	1	0	0 -100
Musculoskeletal/Skin Conditions	3	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	31
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	1
Registered Nurses:	20
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE HOSPITAL

3200 PROVIDENCE DRIVE
ANCHORAGE, AK 99504

Medicare Hospital Provider Number: 020001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	909	10	8 - 13	965	12	9 - 15
Cancer	35	31	19 - 52	46	43	26 - 57
Cerebrovascular Accidents	25	8	13 - 39	22	18	13 - 47
Gastrointestinal Catastrophes	9	33	14 - 72	3	33	10 - 91
Infectious Disease	10	10	11 - 57	11	27	14 - 66
Metabolic/Electrolyte Disorders	4	25	0 - 94	16	19	5 - 50
Pulmonary Disease	58	14	13 - 34	53	17	11 - 35
Renal Failure	5	60	11 - 85	3	33	3 - 87
Severe Acute Heart Disease	28	50	19 - 55	35	43	22 - 55
Severe Chronic Heart Disease	38	26	10 - 39	45	24	12 - 39
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	54	2	1 - 13	51	4	1 - 18
Gynecologic Disease	9	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	124	3	1 - 9	125	8	1 - 14
Musculoskeletal/Skin Conditions	105	2	1 - 9	96	0	1 - 6
Neuropsychiatric/Sensory Disease	36	3	0 - 26	29	0	0 - 43
Urologic Disease	30	3	0 - 68	43	2	1 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	337
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	284
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	393
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SEWARD GENERAL HOSPITAL

P O BOX 365
SEWARD, AK 99664

Medicare Hospital Provider Number: 020011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	43	2	12 - 24	48	10	6 - 26
Cancer	0	-	-	2	100	6 - 90
Cerebrovascular Accidents	4	0	13 - 75	2	50	0 - 96
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 94	4	25	0 - 89
Pulmonary Disease	8	0	9 - 50	9	11	12 - 60
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	0	10 - 74	0	-	-
Severe Chronic Heart Disease	3	0	2 - 80	3	0	1 - 86
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 - 99	4	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	6	0	0 - 98
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	32
Occupancy Rate (%):	13
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SITKA COMMUNITY HOSPITAL

209 MOLLER (P O BOX 500)
SITKA, AK 99835

Medicare Hospital Provider Number: 020002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	68	15	4 - 23	54	9	4 - 22
Cancer	3	33	12 - 92	0	-	-
Cerebrovascular Accidents	2	0	1 - 91	1	0	0 - 99
Gastrointestinal Catastrophes	1	100	0 - 98	1	0	1 - 97
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 - 98	1	0	0 -100
Pulmonary Disease	2	0	0 - 99	5	20	3 - 74
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	3	33	7 - 88
Severe Chronic Heart Disease	3	67	1 - 87	1	0	0 -100
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 - 99	5	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	9	11	0 -100	5	0	0 -100
Musculoskeletal/Skin Conditions	7	0	0 - 99	3	0	0 - 99
Neuropsychiatric/Sensory Disease	5	0	0 -100	3	0	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	33
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH PENINSULA HOSPITAL

4300 BARTLETT ST
HOMER, AK 99603

Medicare Hospital Provider Number: 020014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	53	9	2 - 22	90	4	6 - 16
Cancer	0	-	-	6	50	13 - 80
Cerebrovascular Accidents	0	-	-	1	0	0 - 98
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	3	0	0 - 89	6	0	1 - 64
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	3 - 98	3	0	8 - 81
Severe Chronic Heart Disease	2	0	0 - 95	4	0	2 - 71
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	9	0	0 - 98	5	0	0 -100
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	5	0	0 -100	17	0	0 - 63
Musculoskeletal/Skin Conditions	4	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	6	0	0 -100
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	38
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH PENINSULA HOSPITAL

4300 BARTLETT • HOMER, ALASKA 99603 • [907] 235-8101

HEALTH STANDARDS AND QUALITY BUREAU, HCFA
ATTENTION; MRS. SANDRA KAPPERT
2-D-2 MEADOWS EAST BUILDING
6325 SECURITY BOULEVARD
BALTIMORE, MD.   21207

DEAR MRS. KAPPERT:

TO MY KNOWLEDGE, AT THE PRESENT TIME, THE MEDICARE HOSPITAL MORTALITY INFORMATION (1987) DOCUMENTS YOU SENT OUR HOSPITAL REFLECT OUR HOSPITAL IN 1987.

THANK YOU.

Ron Rich

ROLAND "RON" RICH
ASSISTANT ADMINISTRATOR

RR:RR

VALDEZ COMMUNITY HOSPITAL

1000 MEALS AVENUE (P O BOX 550
VALDEZ, AK 99686

Medicare Hospital Provider Number: 020025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3	0	0 -100	8	37	10 - 70
Cancer	0	-	-	1	0	3 - 99
Cerebrovascular Accidents	0	-	-	2	50	1 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	1	0	0 -100	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	100	1 - 97
Severe Chronic Heart Disease	0	-	-	1	0	0 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	15
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VALLEY HOSPITAL

515 EAST DAHLIA (PO BOX 1687)
PALMER, AK 99645

Medicare Hospital Provider Number: 020006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	144	10	6 - 16	157	10	10 - 21
Cancer	1	0	1 - 97	2	50	8 - 96
Cerebrovascular Accidents	0	-	-	2	50	4 - 92
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	2	0	3 - 88	1	0	0 - 98
Metabolic/Electrolyte Disorders	2	0	5 - 89	7	29	11 - 73
Pulmonary Disease	16	19	6 - 48	18	6	11 - 41
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	6	50	14 - 81	11	45	13 - 67
Severe Chronic Heart Disease	9	0	3 - 44	11	18	5 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 - 99	16	0	0 - 89
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	19	5	0 - 47	15	0	0 - 73
Musculoskeletal/Skin Conditions	10	10	0 -100	9	0	0 - 74
Neuropsychiatric/Sensory Disease	5	20	0 -100	1	0	0 -100
Urologic Disease	7	0	0 -100	4	0	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

VALLEY

515 E. Dahlia
P.O. Box 1687
Palmer, AK 99645
907-745-4813

October 3, 1988

Health Standards and
Quality Bureau, HCFA
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Comments on Medicare Hospital Mortality Information (1987) 020006

Dear Dr. Roper:

Although the Mortality Information presented for our institution is consistently within the predictable range and favorably so, we take exception to your position as reflected in these releases.

As in the past, you continue to promote the concept that `The Quality of Health Care in the Nation will be Better' because of some causal relationship you imagine exists between quality of care and mortality data for the aged.

We believe that aged mortality is a normal expected outcome of living and, therefore, is more significant to quality of life than quality of health care.

It would appear that your agency either cannot promote true quality of health care indicators or chooses to irresponsibly promote incomplete and misleading indicators of the quality of practice patterns. We find it disappointing that Federal tax dollars are squandered thusly.

Sincerely,

James G. Walsh
Executive Director

cc: Honorable Frank Murkowski
United States Senate
709 Hart Bldg.
Washington, D.C. 20510

Honorable Ted Stevens
United States Senate
522 Hart Bldg.
Washington, D.C. 20510

Honorable Donald Young
2331 Rayburn Bldg.
Washington, D.C. 20515

WRANGELL GENERAL HOSPITAL

P O BOX 80
WRANGELL, AK 99929

Medicare Hospital Provider Number: 020007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	13	8	2 - 44	19	16	2 - 44
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	1	100	1 - 97
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 - 99	2	0	2 - 89
Pulmonary Disease	1	0	0 -100	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	1 - 97	0	-	-
Severe Chronic Heart Disease	0	-	-	1	0	0 -100
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	1	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	1	0	0 -100	2	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	5	20	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	23
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

YUKON KUSKOKWIM DELTA REG'L HOSPITAL

BETHEL, AK 99559

Medicare Hospital Provider Number: 020018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	46	4	9 - 24	37	11	5 - 28
Cancer	1	0	3 - 98	1	100	3 - 99
Cerebrovascular Accidents	2	50	4 - 92	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	3	0	3 - 79	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	9	0	10 - 48	7	14	1 - 73
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	0	0 - 98	2	0	2 - 88
Severe Chronic Heart Disease	4	25	1 - 82	3	33	1 - 89
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	1	0	0 -100
Musculoskeletal/Skin Conditions	5	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	51
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ASHTON MEMORIAL HOSPITAL

801 MAIN ST (BOX 378)
ASHTON, ID 83420

Medicare Hospital Provider Number: 130032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	31	16	3 - 33	70	16	9 - 27
Cancer	1	100	2 - 97	2	50	4 - 93
Cerebrovascular Accidents	0	-	-	5	20	4 - 74
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	1	0	0 - 99
Metabolic/Electrolyte Disorders	0	-	-	3	0	1 - 82
Pulmonary Disease	1	100	2 - 97	3	33	2 - 87
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	6	33	8 - 74
Severe Chronic Heart Disease	5	20	2 - 75	9	44	5 - 65
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	1	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 -100	10	0	0 - 95
Musculoskeletal/Skin Conditions	3	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 - 99	0	-	-
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	12
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BANNOCK MEMORIAL HOSPITAL

MEMORIAL DRIVE
POCATELLO, ID 83201

Medicare Hospital Provider Number: 130028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	784	11	9 - 14	812	13	9 - 15
Cancer	31	55	24 - 60	33	36	25 - 60
Cerebrovascular Accidents	28	32	13 - 48	35	26	14 - 44
Gastrointestinal Catastrophes	0	-	-	6	33	7 - 75
Infectious Disease	1	100	0 - 97	4	50	2 - 83
Metabolic/Electrolyte Disorders	8	13	4 - 60	6	17	0 - 89
Pulmonary Disease	41	17	12 - 38	39	15	13 - 39
Renal Failure	2	100	10 - 95	2	100	10 - 99
Severe Acute Heart Disease	37	14	24 - 49	37	32	23 - 54
Severe Chronic Heart Disease	31	16	10 - 38	37	24	11 - 40
Severe Trauma	0	-	-	2	100	1 - 91
Gastrointestinal Disease	61	2	0 - 14	71	6	0 - 26
Gynecologic Disease	9	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	79	1	1 - 9	97	5	1 - 13
Musculoskeletal/Skin Conditions	89	6	1 - 16	75	1	0 - 11
Neuropsychiatric/Sensory Disease	17	0	0 - 88	25	4	0 - 53
Urologic Disease	36	3	0 - 55	29	0	0 - 50

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	44
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	86
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	103
Licensed Practical Nurses:	60

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Medicare # 13-0028

October 20, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for this opportunity to comment on the mortality data for 1987 to be released by the Health Care Financing Administration this December.

Bannock Regional Mediccal Center is an acute care regional medical center which acts as a rural referral center for Southeastern Idaho. Bannock is licensed for 139 adult and pediatric beds, eight neo-natal intensive care beds, and 22 well-baby bassinets and operated with an occupancy rate of 43.27% in 1987. Bannock is accredited by the Joint Commission on Accreditation of Healthcare Organisations, the body that establishes comprehensive standards for healthcare institutions.

We are pleased to have a medical staff of 81 active physicians with an additional 26 individuals with courtesy and/or consulting privileges. Sixty-six of the active staff are Board certified, three are in the certification process while 15 of the courtesy/ consulting staff are board certified.

As a secondary medical center in rural Idaho, Bannock's case mix includes many elderly patients with major medical and surgical illnesses. Bannock is a full service medical center offering specialty care in the areas of radiation oncology and chemotherapy, major orthopedic services, medical and surgical intensive care units, and Life Flight emergency transport services. Life Flight patients are primarily hospital to hospital transfers but do include approximately 45% trauma patients. During 1987, Bannock provided Hospice services to 62 patients.

Please note the information identifying Bannock Regional Medical Center and compare with the characteristics listed on the cover sheet of the 1987 Mortality Information. We are concerned with the discrepancy between accurate information and the descriptor data presented in this release. Certainly the credibility of the entire package is in question when the descriptor data is incorrect.

Member of Voluntary Hospitals of America, Inc.

Bannock Regional Medical Center Comments
Medicare # 13-0028

Bannock Regional Medical Center has validated that the mortality data is accurate. At the direction of the Quality Assessment Committee of the medical staff, every death in this hospital is reviewed for the appropriateness of care. Quality assessment activities are ongoing, hospital wide and focus on all patient areas in order that Bannock can provide high quality healthcare.

Bannock supports the efforts of the Health Care Financing Administration in the areas of quality assurance and quality assessment. We are, however, concerned that individuals will use the mortality data by itself to make healthcare decisions for themselves and their families. We believe that the nature of personal illness and injury is such that a universal statistical model cannot adequately reflect a qualtiy standard of care. We do encourage further research but at this time feel the mortality data in itself is not a true measure of the quality of healthcare provided by Bannock Regional Medical Center.

Sincerely,

Alan Stevenson
Administrator
Bannock Regional Medical Center

BEAR LAKE MEMORIAL HOSPITAL

164 SOUTH FIFTH
MONTPELIER, ID 83254

Medicare Hospital Provider Number: 130017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	96	9	7 - 20	110	14	7 - 21
Cancer	1	100	1 -100	0	-	-
Cerebrovascular Accidents	3	33	2 - 86	6	67	3 - 73
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	13	0	11 - 39	18	6	10 - 39
Renal Failure	3	100	6 - 82	0	-	-
Severe Acute Heart Disease	6	33	11 - 77	12	17	19 - 64
Severe Chronic Heart Disease	5	0	4 - 63	6	33	1 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 -100	12	8	0 -100
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	10	0	0 - 74	5	0	0 -100
Musculoskeletal/Skin Conditions	9	0	0 -100	12	0	0 - 84
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	58
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BENEWAH COMMUNITY HOSPITAL

229 SEVENTH ST
SAINT MARIES, ID 83861

Medicare Hospital Provider Number: 130037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	171	9	8 - 17	173	13	8 - 19
Cancer	2	50	4 - 93	6	67	12 - 78
Cerebrovascular Accidents	6	33	8 - 75	7	14	11 - 67
Gastrointestinal Catastrophes	2	0	2 - 88	0	-	-
Infectious Disease	1	0	0 - 98	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	0	0 -100	6	17	3 - 70
Pulmonary Disease	16	6	11 - 43	16	13	12 - 49
Renal Failure	1	100	3 - 98	1	100	2 - 97
Severe Acute Heart Disease	6	33	10 - 76	4	50	6 - 83
Severe Chronic Heart Disease	12	17	10 - 55	3	0	1 - 82
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	14	21	0 - 85	12	0	0 - 72
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	25	8	0 - 53	14	7	0 - 56
Musculoskeletal/Skin Conditions	17	0	0 - 38	26	4	0 - 43
Neuropsychiatric/Sensory Disease	6	0	0 -100	7	0	0 - 99
Urologic Disease	6	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 33
Occupancy Rate (%): 24
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 13
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BINGHAM MEMORIAL HOSPITAL

98 POPLAR ST (BOX 751)
BLACKFOOT, ID 83221

Medicare Hospital Provider Number: 130022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	270	18	8 - 17	262	15	9 - 19
Cancer	4	50	4 - 82	6	50	16 - 83
Cerebrovascular Accidents	13	46	7 - 59	10	60	9 - 65
Gastrointestinal Catastrophes	1	100	3 - 98	4	50	10 - 86
Infectious Disease	2	50	1 - 92	3	67	8 - 89
Metabolic/Electrolyte Disorders	6	17	3 - 69	5	20	2 - 76
Pulmonary Disease	27	33	9 - 46	20	20	5 - 44
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	17	35	15 - 59	23	26	21 - 58
Severe Chronic Heart Disease	14	7	9 - 44	15	20	5 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	6	0 - 82	20	5	0 - 93
Gynecologic Disease	8	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	27	7	0 - 57	23	4	0 - 66
Musculoskeletal/Skin Conditions	28	7	0 - 53	21	5	0 - 93
Neuropsychiatric/Sensory Disease	6	17	0 -100	3	0	0 -100
Urologic Disease	10	0	0 -100	6	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	129
Occupancy Rate (%):	68
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	32
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BINGHAM MEMORIAL HOSPITAL

98 POPLAR, BLACKFOOT, IDAHO 83221

TELEPHONE 208/785-4100

RESPONSE TO MEDICARE MORTALITY REPORT

FOLLOWING A FULL ANALYSIS OF THE STATISTICAL DATA SENT TO THIS FACILITY WE FIND:

1. THAT THE COVER LETTER WHICH WAS TO BE ENCLOSED WITH OUR MATERIAL WAS MISSING.
2. THAT THE HOSPITAL CHARACTERISTIC INFORMATION IS IN ERROR.
(CORRECTED STATISTICS)

BEDS:	54
OCCUPANCY:	40%
STAFFING:	
TOTAL # OF PHYSICIANS:	37
% WHO ARE BOARD CERTIFIED:	65%
RN'S/BEDS:	0.61
LPN'S/BEDS:	0.61
SPECIALTY SERVICES:	
SHOCK/TRAUMA:	NO
BURN UNIT:	NO
CORONARY CARE UNIT:	YES
ORGAN TRANSPLANT:	NO
HOSPICE:	NO

3. AGAIN WE FIND THE SAME CONCERN WITH THE STATISTICAL INFORMATION IN THAT PATIENTS WHO DIE WITHIN THIRTY DAYS OF AN UNRELATED ILLNESS OR ACCIDENT ARE INCLUDED WITHIN THE HOSPITAL'S MORTALITY BASE.
4. PATIENTS WHO ARE ADMITTED TO A HOSPITAL SWINGBED FOR TERMINAL CARE ARE ALSO INCLUDED WITHIN THESE STATISTICS.

ALL OF THESE ITEMS COMBINE TO MAKE THIS REPORT OF LITTLE VALID BENEFIT TO THE HOSPITAL OR THE COMMUNITY WHICH IT SERVES.

SUBMITTED BY:
Sally Hartert RN
SALLY HARTERT,RN
QA/UR COORDINATOR

APPROVED BY:
Carl Staley
CARL STALEY
ADMINISTRATOR

BLAINE COUNTY MEDICAL CENTER

SOUTH MAIN (P O BOX 927)
HAILEY, ID 83333

Medicare Hospital Provider Number: 130040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	91	9	7 - 20	86	9	6 - 20
Cancer	1	0	2 - 97	0	-	-
Cerebrovascular Accidents	1	0	0 - 98	1	0	0 - 98
Gastrointestinal Catastrophes	1	100	3 - 98	1	0	0 - 98
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 - 99	1	0	2 - 97
Pulmonary Disease	16	25	13 - 55	11	0	12 - 45
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	0	2 - 88	2	50	3 - 92
Severe Chronic Heart Disease	5	20	3 - 74	4	25	7 - 81
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 - 98	10	0	0 - 97
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	13	8	0 - 98	13	0	0 - 71
Musculoskeletal/Skin Conditions	9	0	0 - 99	7	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	1	0	0 -100
Urologic Disease	5	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BONNER GENERAL HOSPITAL

502 NORTH THIRD (BOX 1448)
SANDPOINT, ID 83864

Medicare Hospital Provider Number: 130024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	408	13	9 - 16	440	14	10 - 17
Cancer	5	60	13 - 83	14	50	28 - 78
Cerebrovascular Accidents	19	47	9 - 53	14	21	12 - 56
Gastrointestinal Catastrophes	7	14	8 - 66	6	50	7 - 76
Infectious Disease	6	50	4 - 74	8	25	7 - 67
Metabolic/Electrolyte Disorders	7	43	4 - 71	7	0	9 - 56
Pulmonary Disease	32	22	9 - 40	33	36	12 - 46
Renal Failure	3	67	7 - 89	4	25	10 - 87
Severe Acute Heart Disease	22	27	22 - 59	14	29	21 - 67
Severe Chronic Heart Disease	22	9	10 - 39	16	25	9 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 47	23	4	1 - 35
Gynecologic Disease	4	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	38	0	1 - 15	42	5	0 - 27
Musculoskeletal/Skin Conditions	51	2	0 - 39	68	4	0 - 24
Neuropsychiatric/Sensory Disease	13	8	0 -100	13	0	0 - 84
Urologic Disease	6	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	47
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BGH BONNER GENERAL HOSPITAL

September 23, 1988

Sandra Kappert
Healthcare Financing Administration
Health Standards and Quality Bureu
Meadows East Building, 2-D-2
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Ms. Kappert,

I am responding to you on behalf of Bonner General Hospital, Sandpoint, Idaho, in regard to the 1987 discharge/mortality data.

There are some items of concern both for accuracy purposes as well as confusion perhaps. The issue(s) of accuracy for the information submitted as pertaining to our Hospital:

1. While the name of the Hospital is reflected correctly, the street address is incorrect.
2. The number of licensed beds is listed inaccurately.
3. The occupancy rate of the Hospital is listed inaccurately.
4. The total number of physicians is listed inaccurately.
5. The percentage of physicians who are Board Certified Specialists is listed inaccurately.
6. For specialty services; it is listed that there is no coronary care unit, which is not accurate.

In addition, while the understanding is that the patient data provided is limited to 1987 discharges, you will find on page 5, Medical Record [redacted], the discharge of an 86 year-old female on 8/14/87 and subsequent death on 3/17/88. On page 7, Medical Record [redacted] was discharged on 4/16/87 and died on 2/03/88. Medical record [redacted] was discharged on 4/30/87 and died on 1/15/88. Medical Record # [redacted] was discharged 1/05/87 and died on 1/9/88. Are these deaths being computed as a part of the 1987 mortality data in view of their inclusion in the report? Further, the deaths would not be within the 30 days.

These points are brought up as items that we request clarification and to assure the accuracy of the data used. Thank you and your response on these items is appreciated.

Sincerely,

Gene Tomt
Administrator

GT:vo

CARIBOU MEMORIAL HOSPITAL

300 SOUTH THIRD WEST
SODA SPRINGS, ID 83276

Medicare Hospital Provider Number: 130031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	77	16	5 - 23	81	10	7 - 21
Cancer	0	-	-	2	50	1 - 92
Cerebrovascular Accidents	2	50	0 - 97	2	50	1 - 93
Gastrointestinal Catastrophes	1	0	2 - 97	1	100	1 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	40	2 - 79	5	40	5 - 78
Pulmonary Disease	5	0	5 - 63	9	11	4 - 56
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	25	10 - 83	5	20	6 - 74
Severe Chronic Heart Disease	3	33	1 - 88	3	0	3 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	10	10	0 - 96	13	0	0 - 84
Musculoskeletal/Skin Conditions	5	0	0 - 84	2	0	0 -100
Neuropsychiatric/Sensory Disease	6	17	0 -100	2	0	0 -100
Urologic Disease	4	25	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	62
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CASSIA MEMORIAL HOSPITAL & MEDICAL C

2303 PARK AVE (BOX 489)
BURLEY, ID 83318

Medicare Hospital Provider Number: 130026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	405	13	9 - 16	416	13	9 - 16
Cancer	8	75	17 - 74	10	50	14 - 70
Cerebrovascular Accidents	13	31	8 - 57	15	33	10 - 57
Gastrointestinal Catastrophes	5	20	4 - 74	2	0	1 - 91
Infectious Disease	3	0	4 - 79	4	50	3 - 82
Metabolic/Electrolyte Disorders	7	0	6 - 54	17	12	9 - 47
Pulmonary Disease	38	34	12 - 43	39	23	11 - 40
Renal Failure	1	0	1 - 97	1	100	3 - 98
Severe Acute Heart Disease	13	15	23 - 65	12	25	14 - 62
Severe Chronic Heart Disease	29	21	8 - 40	24	29	9 - 46
Severe Trauma	1	0	3 - 99	0	-	-
Gastrointestinal Disease	33	0	0 - 20	37	0	0 - 17
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	53	4	1 - 18	51	2	1 - 15
Musculoskeletal/Skin Conditions	41	7	0 - 42	29	0	0 - 34
Neuropsychiatric/Sensory Disease	6	17	0 -100	4	0	0 -100
Urologic Disease	7	14	0 - 99	9	11	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	4
Registered Nurses:	40
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLEARWATER VALLEY HOSPITAL

301 CEDAR
OROFINO, ID 83544

Medicare Hospital Provider Number: 130009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	181	15	9 - 20	175	11	9 - 19
Cancer	1	100	1 - 97	6	67	13 - 79
Cerebrovascular Accidents	9	22	10 - 64	4	25	8 - 81
Gastrointestinal Catastrophes	5	60	11 - 82	3	33	8 - 88
Infectious Disease	1	100	2 - 97	2	50	1 - 93
Metabolic/Electrolyte Disorders	6	17	4 - 69	3	0	5 - 79
Pulmonary Disease	17	24	11 - 52	12	17	11 - 56
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	71	12 - 73	4	25	6 - 80
Severe Chronic Heart Disease	8	13	12 - 63	9	11	12 - 59
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	11	9	0 -100	13	0	0 - 78
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	15	0	0 - 50	14	0	0 - 61
Musculoskeletal/Skin Conditions	19	5	0 - 81	16	0	0 - 90
Neuropsychiatric/Sensory Disease	12	17	0 - 97	9	0	0 - 99
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	31
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL (BOUNDARY)

551 KANIKSU (BOX 1449)
BONNERS FERRY, ID 83805

Medicare Hospital Provider Number: 130015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	86	15	11 - 27	102	13	7 - 21
Cancer	2	50	2 - 92	2	100	2 - 88
Cerebrovascular Accidents	4	25	3 - 80	6	33	3 - 73
Gastrointestinal Catastrophes	1	100	3 - 98	0	-	-
Infectious Disease	1	100	3 - 98	0	-	-
Metabolic/Electrolyte Disorders	3	33	1 - 90	0	-	-
Pulmonary Disease	8	0	10 - 51	9	11	5 - 56
Renal Failure	0	-	-	1	100	2 -100
Severe Acute Heart Disease	6	33	19 - 84	5	40	12 - 82
Severe Chronic Heart Disease	9	11	11 - 59	4	0	2 - 72
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	6	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	13	0 -100	11	0	0 - 49
Musculoskeletal/Skin Conditions	9	0	0 - 82	12	0	0 - 99
Neuropsychiatric/Sensory Disease	2	0	0 -100	8	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 52
Occupancy Rate (%): 81
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 25
Interns and Residents: 0
Registered Nurses: 3
Licensed Practical Nurses: 2

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

COUNCIL COMMUNITY HOSPITAL

205 N. BERKLEY
COUNCIL,, ID 83612

Medicare Hospital Provider Number: 130056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	55	9	8 - 24	57	7	8 - 23
Cancer	3	100	20 - 93	0	-	-
Cerebrovascular Accidents	0	-	-	2	100	9 - 93
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	3 - 99	1	0	0 - 99
Pulmonary Disease	6	17	6 - 69	4	0	14 - 76
Renal Failure	1	0	3 - 98	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	3	0	2 - 81	3	0	6 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	4	0	0 - 99
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	0	0 - 94	12	0	0 - 64
Musculoskeletal/Skin Conditions	6	0	0 - 95	3	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	21
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

EASTERN IDAHO REG'L MEDICAL CENTER

900 MEMORIAL DRIVE
IDAHO FALLS, ID 83401

Medicare Hospital Provider Number: 130018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,793	11	8 - 13	1,909	10	7 - 12
Cancer	51	37	27 - 56	40	38	22 - 55
Cerebrovascular Accidents	71	37	16 - 40	71	28	19 - 41
Gastrointestinal Catastrophes	16	44	11 - 59	19	26	11 - 54
Infectious Disease	19	32	20 - 63	18	11	13 - 49
Metabolic/Electrolyte Disorders	11	55	7 - 64	11	9	6 - 51
Pulmonary Disease	84	25	14 - 36	77	18	15 - 35
Renal Failure	5	20	14 - 85	10	50	15 - 79
Severe Acute Heart Disease	70	41	26 - 51	55	40	25 - 52
Severe Chronic Heart Disease	37	16	11 - 37	48	23	13 - 38
Severe Trauma	9	33	6 - 66	2	0	1 - 91
Gastrointestinal Disease	103	5	1 - 12	165	7	1 - 11
Gynecologic Disease	22	0	0 -100	35	3	0 -100
Low-Risk Heart Disease	218	1	2 - 6	246	3	2 - 7
Musculoskeletal/Skin Conditions	246	4	0 - 9	264	3	1 - 7
Neuropsychiatric/Sensory Disease	63	3	0 - 26	69	1	0 - 12
Urologic Disease	166	3	0 - 10	119	1	1 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	227
Occupancy Rate (%):	67
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	96
Interns and Residents:	0
Registered Nurses:	206
Licensed Practical Nurses:	91

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ELMORE MEMORIAL HOSPITAL

895 N SIXTH E (P O DRAWER H)
MOUNTAIN HOME, ID 83647

Medicare Hospital Provider Number: 130027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	224	10	8 - 17	255	11	7 - 16
Cancer	5	60	16 - 86	4	75	10 - 83
Cerebrovascular Accidents	7	0	10 - 55	4	50	2 - 82
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	2 - 92	4	25	5 - 80
Metabolic/Electrolyte Disorders	6	0	6 - 59	2	50	5 - 94
Pulmonary Disease	16	31	12 - 56	17	12	13 - 48
Renal Failure	0	-	-	2	100	10 - 95
Severe Acute Heart Disease	10	50	14 - 70	14	43	15 - 64
Severe Chronic Heart Disease	13	15	11 - 53	14	29	6 - 54
Severe Trauma	0	-	-	1	100	0 - 98
Gastrointestinal Disease	19	5	0 - 68	39	0	0 - 19
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	22	5	0 - 58	22	0	0 - 39
Musculoskeletal/Skin Conditions	18	6	0 - 97	21	0	0 - 32
Neuropsychiatric/Sensory Disease	10	0	0 - 99	15	0	0 - 97
Urologic Disease	6	0	0 -100	11	0	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	68
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FRANKLIN COUNTY MEDICAL CENTER

44 NORTH FIRST STREET
PRESTON, ID 83263

Medicare Hospital Provider Number: 130045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	79	11	9 - 24	67	9	10 - 25
Cancer	3	100	16 - 88	0	-	-
Cerebrovascular Accidents	6	17	6 - 68	5	0	5 - 63
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	1	0	0 - 98	1	0	1 - 97
Metabolic/Electrolyte Disorders	3	33	1 - 88	0	-	-
Pulmonary Disease	8	25	8 - 66	8	13	8 - 61
Renal Failure	1	100	2 - 97	1	100	1 - 97
Severe Acute Heart Disease	2	0	3 - 88	6	50	8 - 76
Severe Chronic Heart Disease	4	25	2 - 81	10	10	7 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 -100	5	0	0 - 98
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	0	0 - 83	7	0	0 - 92
Musculoskeletal/Skin Conditions	5	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	3	0	0 -100
Urologic Disease	6	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	71
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FREMONT GENERAL HOSPITAL

125 N. EIGHTH W
SAINT ANTHONY,, ID 83445

Medicare Hospital Provider Number: 130057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	0	0 -100	5	0	3 - 64
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	2	0	0 - 94
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	2	0	3 - 88
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	1	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	17
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GOODING COUNTY MEMORIAL HOSPITAL

1120 MONTANA ST
GOODING, ID 83330

Medicare Hospital Provider Number: 130010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	100	10	7 - 19	148	10	8 - 18
Cancer	1	100	1 - 97	6	83	25 - 86
Cerebrovascular Accidents	2	50	1 - 94	5	0	10 - 66
Gastrointestinal Catastrophes	3	67	7 - 88	2	0	2 - 89
Infectious Disease	1	100	2 - 97	0	-	-
Metabolic/Electrolyte Disorders	2	0	3 - 88	0	-	-
Pulmonary Disease	12	33	7 - 59	7	14	5 - 64
Renal Failure	1	0	0 -100	2	100	11 - 96
Severe Acute Heart Disease	2	0	3 - 88	2	50	2 - 92
Severe Chronic Heart Disease	2	0	3 - 88	3	0	0 - 87
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 -100	14	0	0 - 54
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	10	0 - 98	17	0	0 - 48
Musculoskeletal/Skin Conditions	12	0	0 - 98	19	0	1 - 29
Neuropsychiatric/Sensory Disease	8	0	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	14
Occupancy Rate (%):	21
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRITMAN MEMORIAL HOSPITAL

710 S MAIN ST
MOSCOW, ID 83843

Medicare Hospital Provider Number: 130011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	419	11	8 - 15	428	10	9 - 16
Cancer	9	33	14 - 71	8	25	14 - 72
Cerebrovascular Accidents	17	12	10 - 45	23	30	16 - 53
Gastrointestinal Catastrophes	5	60	10 - 81	3	67	5 - 86
Infectious Disease	6	17	10 - 71	3	67	5 - 87
Metabolic/Electrolyte Disorders	3	0	5 - 79	6	0	1 - 64
Pulmonary Disease	31	26	12 - 44	21	14	12 - 46
Renal Failure	2	100	8 - 93	1	0	3 - 99
Severe Acute Heart Disease	7	57	12 - 75	13	31	19 - 67
Severe Chronic Heart Disease	15	13	7 - 46	23	22	11 - 46
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	44	7	0 - 28	37	3	1 - 20
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	43	5	1 - 22	41	2	1 - 19
Musculoskeletal/Skin Conditions	47	4	0 - 34	47	0	0 - 14
Neuropsychiatric/Sensory Disease	13	8	0 - 97	8	0	0 - 97
Urologic Disease	31	0	0 - 43	29	7	0 - 61

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARMS MEMORIAL HOSPITAL

GIFFORD AT ROOSEVELT
AMERICAN FALLS, ID 83211

Medicare Hospital Provider Number: 130030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	74	18	7 - 26	70	6	7 - 20
Cancer	3	100	12 - 84	0	-	-
Cerebrovascular Accidents	4	25	1 - 82	4	0	7 - 71
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	100	3 - 99
Pulmonary Disease	5	40	9 - 80	6	0	6 - 58
Renal Failure	1	100	2 - 97	1	0	1 - 97
Severe Acute Heart Disease	5	20	14 - 81	2	0	5 - 89
Severe Chronic Heart Disease	3	67	1 - 87	3	0	6 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 - 89	4	25	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	14	7	0 - 95	12	0	0 - 58
Musculoskeletal/Skin Conditions	9	0	0 - 93	6	0	0 - 93
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	56
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HENRY L. DAY MEDICAL CENTER

BOX 87
SILVERTON, ID 83867

Medicare Hospital Provider Number: 130051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	172	15	9 - 20	174	17	9 - 21
Cancer	3	100	5 - 79	4	100	10 - 73
Cerebrovascular Accidents	12	17	7 - 53	4	25	2 - 81
Gastrointestinal Catastrophes	5	20	3 - 75	4	25	2 - 81
Infectious Disease	5	0	13 - 69	6	67	11 - 77
Metabolic/Electrolyte Disorders	1	100	3 - 98	3	100	10 - 83
Pulmonary Disease	25	12	10 - 40	23	13	7 - 39
Renal Failure	1	0	0 - 97	2	0	0 - 94
Severe Acute Heart Disease	5	40	11 - 81	15	53	22 - 69
Severe Chronic Heart Disease	13	23	7 - 54	9	22	6 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 77	17	6	0 - 95
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	17	12	0 - 97	21	0	0 - 35
Musculoskeletal/Skin Conditions	13	0	0 - 93	16	0	0 - 99
Neuropsychiatric/Sensory Disease	5	0	0 - 97	4	0	0 -100
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	18
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

IDAHO STATE HOSPITAL

3100 ELEVENTH AVE N
NAMPA, ID 83651

Medicare Hospital Provider Number: 130050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	0	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	1	0	0 -100	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	2
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KOOTENAI MEDICAL CENTER

2003 LINCOLN WAY
COEUR D'ALENE, ID 83814

Medicare Hospital Provider Number: 130049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,773	12	9 - 14	1,659	9	9 - 14
Cancer	57	44	28 - 56	47	38	25 - 56
Cerebrovascular Accidents	70	21	16 - 37	54	30	16 - 42
Gastrointestinal Catastrophes	14	50	14 - 65	20	35	13 - 57
Infectious Disease	19	47	15 - 59	11	36	14 - 68
Metabolic/Electrolyte Disorders	26	12	7 - 40	16	6	11 - 46
Pulmonary Disease	81	19	17 - 37	84	20	17 - 37
Renal Failure	7	57	8 - 77	6	67	16 - 87
Severe Acute Heart Disease	73	45	29 - 54	64	39	29 - 54
Severe Chronic Heart Disease	71	23	13 - 34	73	11	17 - 34
Severe Trauma	7	14	8 - 66	2	0	3 - 88
Gastrointestinal Disease	106	4	1 - 12	124	4	1 - 11
Gynecologic Disease	34	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	208	4	2 - 8	198	3	2 - 7
Musculoskeletal/Skin Conditions	190	3	0 - 8	169	1	1 - 6
Neuropsychiatric/Sensory Disease	102	1	1 - 9	61	2	0 - 16
Urologic Disease	92	0	0 - 7	82	0	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	169
Occupancy Rate (%):	57
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	83
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	192
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Kootenai Medical Center

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

It has taken nine months for the Health Care Financing Administration to collect and interpret mortality statistics for the year 1987. It is virtually impossible to expect hospitals to determine the accuracy of that data in a thirty day time period. Besides validating the data, hospitals are expected to identify any unusual patterns and provide the public with useful commentary. To effectively assimilate and analyze the mortality statistics would require significantly more than thirty days.

Several inaccuracies are apparent in the hospital characteristics assigned to Kootenai Medical Center. The facility is licensed for 169 acute care beds (instead of 94). There are 90 board certified physicians on staff (instead of 47). Total number of physicians was 103 (instead of 85). The 1987 occupancy rate was 61% (instead of 52%), with a Registered Nurse staff ratio of 1.4 per bed, and a Licensed Practical Nurse staff ratio of .20. Specialty service also included Coronary Care, Hospice and organ retrieval. The significance of these errors in HCFA's process for determining mortality rates is unclear. However, they do raise the question as to the accuracy of the entire report.

Comparisons between 1986 and 1987 statistics are impossible. The expected mortality ranges have been adjusted in several diagnostic categories. And several categories have been retitled. The categories are not well defined. Many cases are not in the related category but are included in the "catch all" category of "All Other Diseases".

Through identifying the location of the patients when they expired, it is estimated that 30% of deaths on the KMC mortality list occurred in nursing homes. Another 30% deaths occurred at home or unknown sites. There were deaths which occurred after transfer to another acute care facility, including the VA Hospital and/or nearby hospitals. These should not be attributed to KMC. The statistics do not reflect patients which are hospitalized at KMC for one disorder, transferred somewhere else, i.e. Extended Care, where they expire from a condition different from, or unrelated to, the hospitalized care. An example is a

2003 Lincoln Way
Coeur d'Alene, Idaho 83814
208/667-6441

VHA.
Member of Voluntary Hospitals of America, Inc.

patient hospitalized at KMC for dehydration, discharged home, expiring four months later from metastatic melanoma.

There are 47 cases listed who died in 1988. It would appear to be possible to count several of these cases both in 1987, and in 1988.

Developing a method for measuring the quality of care provided by a facility, is a laudable goal. However, HCFA admits the mortality data does not reflect quality. It is clearly stated in the report that these statistics should not be used as indicators of quality, However, HCFA continues to see a need for a statistical method for assessing quality. As a healthcare institution striving for excellence, Kootenai Medical Center monitors quality internally. Hospitals with comprehensive quality assurance programs, based on participative peer review, can effectively measure the quality of care provided.

In summary, quality of care cannot be assessed by external statistical summary of mortality rates. It would be difficult to extract meaningful information from this data as presented. For consumer education, it is misleading. The effective and desirable method for measuring quality care, is individual internal review. It must be diligently pointed out that mortality rate assessment is not a substitute for internal quality assurance activities which identify and measure true indicators of care.

Sincerely,

Joe Morris

Joe Morris
Chief Executive Officer

JEM/web
cc

LOST RIVERS HOSPITAL

BOX 145
ARCO, ID 83213

Medicare Hospital Provider Number: 130021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	31	16	4 - 33	60	12	5 - 23
Cancer	0	-	-	1	100	1 - 97
Cerebrovascular Accidents	1	100	0 - 99	3	33	4 - 86
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	2 - 92	4	0	2 - 74
Pulmonary Disease	4	25	1 - 86	6	17	3 - 69
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	3	67	6 - 87	3	33	3 - 86
Severe Chronic Heart Disease	0	-	-	4	25	0 - 87
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	5	0	0 -100	8	13	0 - 92
Musculoskeletal/Skin Conditions	2	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	3	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	54
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	1
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MADISON MEMORIAL HOSPITAL

400 EAST MAIN
REXBURG, ID 83440

Medicare Hospital Provider Number: 130025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	353	10	7 - 14	330	11	6 - 14
Cancer	4	50	7 - 83	9	44	19 - 78
Cerebrovascular Accidents	13	31	8 - 57	5	80	4 - 74
Gastrointestinal Catastrophes	4	75	3 - 80	2	50	4 - 92
Infectious Disease	2	50	4 - 93	3	0	5 - 79
Metabolic/Electrolyte Disorders	5	20	0 - 91	8	25	2 - 67
Pulmonary Disease	27	11	10 - 38	16	19	7 - 49
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	16	44	17 - 63	9	33	12 - 69
Severe Chronic Heart Disease	8	0	7 - 49	11	36	6 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	4	0 - 37	37	3	0 - 52
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	36	6	0 - 34	26	4	0 - 63
Musculoskeletal/Skin Conditions	53	0	0 - 24	51	0	0 - 16
Neuropsychiatric/Sensory Disease	7	0	0 -100	4	25	0 -100
Urologic Disease	9	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	47
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	57
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MAGIC VALLEY REGIONAL MEDICAL CENTER

650 ADDISON AVE W (BOX 409)
TWIN FALLS, ID 83301

Medicare Hospital Provider Number: 130002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,233	13	9 - 14	1,231	11	9 - 14
Cancer	38	58	23 - 56	29	62	27 - 63
Cerebrovascular Accidents	47	23	14 - 39	44	25	15 - 42
Gastrointestinal Catastrophes	9	11	12 - 61	16	38	10 - 59
Infectious Disease	12	25	14 - 64	15	33	12 - 60
Metabolic/Electrolyte Disorders	8	25	5 - 66	13	23	4 - 55
Pulmonary Disease	63	19	13 - 35	54	24	12 - 38
Renal Failure	3	67	9 - 91	4	75	12 - 88
Severe Acute Heart Disease	65	45	27 - 53	75	28	27 - 50
Severe Chronic Heart Disease	58	34	11 - 37	47	28	12 - 39
Severe Trauma	5	20	4 - 75	2	50	2 - 92
Gastrointestinal Disease	77	3	1 - 13	68	4	0 - 20
Gynecologic Disease	29	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	134	5	2 - 11	126	4	1 - 10
Musculoskeletal/Skin Conditions	172	3	0 - 10	179	2	0 - 7
Neuropsychiatric/Sensory Disease	36	0	0 - 40	36	0	0 - 24
Urologic Disease	70	0	0 - 27	62	2	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	142
Occupancy Rate (%):	50
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	76
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	124
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Magic Valley Regional Medical Center

P.O. BOX 409
TWIN FALLS, IDAHO 83303-0409

TELEPHONE
208-737-2000

October 21, 1988

William L. Roper, M.D.
Health Care Financing Administration
Department of Health and Human Services
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper:

The purpose of this letter is to comment on the Health Care Financing Administration's (HCFA Medicare Hospital Mortality Information 1987) as it relates to Magic Valley Regional Medical Center in Twin Falls, Idaho. While I support HCFA's intention to begin the development of measures of quality for hospitals, I am concerned about the accuracy of the data that HCFA is using and the limitations of the report.

As to accuracy of the information, a review of your preliminary report indicates basic errors with regard to our hospital's bed size, number of medical staff members, and types of specialty services the facility has. Given these errors, I am also concerned about the accuracy of the numbers used for the model.

For example, upon reviewing the predicted mortality range for cancer patients at our facility, we have identified an additional five patients that should have been included in the patient sample. Of these five patients, two expired at our hospital and the remaining three patients were discharged alive but their status after discharge is unknown. Assuming that all three patients lived more than 30 days after their last 1987 discharge from our hospital, the predicted mortality range drops to within the expected HCFA range. Obviously these types of errors in the raw data can be very misleading if there are significant inaccuracies or clerical errors in the information used in the model.

Finally, although I was pleased to see the improvements in this year's model, I believe there are still significant limitations with the model which should be addressed.

These limitations are itemized below:

1. The model does not adequately adjust for the severity or degree of illness with which each patient is admitted.

2. Education, income level, and access to preventive health care are not accounted for.

3. The model does not consider other risk factors of patients including occupation, living environment, community size, and other life-style considerations, such as whether a patient is overweight, drinks and/or smokes, or gets adequate exercise - - all factors proven to influence the risk of death.

4. The model also does not take into account certain characteristics relative to the hospital's size, specialty areas, and the severity of illness within certain high risk services that may be provided by a hospital. In our case, we do provide Home Health and Hospice services which the model does not adequately account for.

I hope that you will provide the public with adequate explanation regarding the limitations of the model. I would also urge that you consider whether or not the publication of this type of information is useful to the public given the magnitude of the limitations of the model and its limited ability to serve as an accurate prediction of mortality. Thank you for the opportunity to comment on our hospital's data.

Sincerely,

John Bingham

John Bingham
Administrator

mcg

MARSH VALLEY HOSPITAL

116 N MAIN ST
DOWNEY, ID 83234

Medicare Hospital Provider Number: 130038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	47	6	9 - 26	49	4	4 - 19
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 97	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 98	4	0	1 - 78
Pulmonary Disease	6	17	6 - 69	4	0	1 - 75
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	20	12 - 79	1	0	0 - 98
Severe Chronic Heart Disease	1	0	0 -100	4	25	3 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	7	0	0 - 89
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	8	0	0 - 95
Musculoskeletal/Skin Conditions	4	0	0 - 88	3	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 - 98	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	17
Occupancy Rate (%):	12
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MCCALL MEMORIAL HOSPITAL

BOX 906
MCCALL, ID 83638

Medicare Hospital Provider Number: 130012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	108	14	7 - 21	111	6	9 - 19
Cancer	5	40	19 - 89	1	100	3 - 98
Cerebrovascular Accidents	6	50	6 - 74	2	50	1 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	2 - 89	2	0	8 - 92
Metabolic/Electrolyte Disorders	2	0	0 - 96	0	-	-
Pulmonary Disease	9	33	5 - 64	6	0	3 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	50	4 - 82	10	20	13 - 63
Severe Chronic Heart Disease	0	-	-	10	10	9 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 96	11	0	1 - 45
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	13	8	0 - 97	17	0	0 - 39
Musculoskeletal/Skin Conditions	14	7	0 - 99	10	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	1	0	0 - 99
Urologic Disease	4	0	0 - 92	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	21
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL

645 E FIFTH ST
WEISER, ID 83672

Medicare Hospital Provider Number: 130035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	141	10	7 - 18	140	21	10 - 24
Cancer	1	0	2 - 97	8	88	26 - 78
Cerebrovascular Accidents	10	20	10 - 60	14	21	11 - 55
Gastrointestinal Catastrophes	1	100	3 - 99	2	0	0 - 92
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	1 - 93	2	0	1 - 90
Pulmonary Disease	10	20	8 - 60	12	17	6 - 53
Renal Failure	0	-	-	2	50	3 - 93
Severe Acute Heart Disease	6	17	10 - 71	5	60	8 - 79
Severe Chronic Heart Disease	6	50	1 - 77	13	46	5 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 89	16	6	0 - 51
Gynecologic Disease	7	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	20	5	0 - 48	9	0	0 - 96
Musculoskeletal/Skin Conditions	5	0	0 -100	4	0	0 - 93
Neuropsychiatric/Sensory Disease	2	0	0 -100	0	-	-
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	27
Occupancy Rate (%):	15
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY MEDICAL CENTER

1512 TWELFTH AVE ROAD
NAMPA, ID 83651

Medicare Hospital Provider Number: 130013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,371	10	9 - 14	1,341	11	10 - 15
Cancer	33	27	24 - 57	28	43	26 - 64
Cerebrovascular Accidents	59	19	17 - 38	53	28	18 - 43
Gastrointestinal Catastrophes	10	30	13 - 68	17	47	18 - 65
Infectious Disease	11	18	17 - 65	11	27	15 - 66
Metabolic/Electrolyte Disorders	13	8	8 - 48	12	33	14 - 65
Pulmonary Disease	84	29	15 - 37	74	26	15 - 38
Renal Failure	3	67	11 - 93	4	25	15 - 92
Severe Acute Heart Disease	62	39	25 - 51	63	35	28 - 53
Severe Chronic Heart Disease	54	15	16 - 37	72	17	14 - 33
Severe Trauma	2	0	0 - 93	3	0	5 - 80
Gastrointestinal Disease	104	7	1 - 14	106	6	1 - 13
Gynecologic Disease	33	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	163	2	2 - 8	140	4	1 - 9
Musculoskeletal/Skin Conditions	159	4	1 - 9	151	2	1 - 7
Neuropsychiatric/Sensory Disease	35	6	0 - 30	47	9	0 - 47
Urologic Disease	75	0	0 - 11	84	1	1 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	98
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	62
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	130
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

Mercy Medical Center
1512 - 12th Avenue Road
Nampa, Idaho 83651
(208) 467-1171

October 21, 1988

William L. Roper, MD
Administrator
HealthCare Financing Administration
Hubert H. Humphrey Building
Room 314-G
200 Independence Avenue, S.W.
Washington, D.C. 21201

Dear Dr. Roper:

Mercy Medical Center of Nampa, Idaho, Medicare Provider #13-0013, wishes to make the following comments regarding mortality information provided to us by the Healthcare Financing Administration.

As we stated in our letter of one year ago, we feel that the methodology used for developing mortality data raises significant concerns in that the data compares Mercy Medical Center's actual mortality with a predicted mortality rate in an effort to make a statement about differences in the quality of treatment hospitals provide their patients. There has been no validation in the model you have used and no demonstration that deviations from predicted mortality rates are the results of care provided. The data could easily suggest to consumers that reliable statements about hospital quality of care are being made.

In reviewing the hospital characteristics section of the information submitted, we found that several errors existed; number of beds is 162 rather than 20, percent of physicians who are board certified specialists is 80% rather than 54%, number of registered nurses per bed is 1.3 rather than 6.3, licenced practical nurses per bed is .41 rather than 2.05, Mercy Medical Center does have a coronary care unit, organ transport service and hospice care.

We suggest that HCFA caution readers that the mortality data does not provide an index to hospital performance or the quality of care provided.

If you have any questions regarding our comments, please contact me.

Sincerely,

Joseph A. Messmer

Joseph A. Messmer
Vice President of Finance

/dp

MINIDOKA MEMORIAL HOSPITAL

1224 EIGHTH ST
RUPERT , ID 83350

Medicare Hospital Provider Number: 130019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	212	12	7 - 16	198	14	8 - 18
Cancer	8	63	18 - 78	11	45	16 - 70
Cerebrovascular Accidents	12	17	6 - 52	5	60	6 - 78
Gastrointestinal Catastrophes	2	100	0 - 93	4	50	2 - 83
Infectious Disease	0	-	-	2	0	1 - 90
Metabolic/Electrolyte Disorders	1	0	2 -100	2	50	0 - 95
Pulmonary Disease	11	9	9 - 52	8	25	5 - 65
Renal Failure	0	-	-	3	67	3 - 87
Severe Acute Heart Disease	7	29	9 - 70	8	38	13 - 73
Severe Chronic Heart Disease	10	30	5 - 61	6	0	5 - 57
Severe Trauma	1	0	0 -100	1	0	3 - 99
Gastrointestinal Disease	27	4	0 - 38	14	0	0 - 84
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	23	9	0 - 67	23	4	0 - 46
Musculoskeletal/Skin Conditions	12	17	0 - 98	20	5	0 - 82
Neuropsychiatric/Sensory Disease	12	0	0 - 95	8	0	0 -100
Urologic Disease	3	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	74
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MORITZ COMMUNITY HOSP

BOX 86
SUN VALLEY, ID 83353

Medicare Hospital Provider Number: 130039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	121	7	5 - 15	137	5	4 - 13
Cancer	1	0	0 - 98	2	0	3 - 88
Cerebrovascular Accidents	4	75	6 - 80	1	0	0 - 98
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	3	0	0 - 95	4	25	2 - 81
Pulmonary Disease	7	0	4 - 52	7	14	7 - 64
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	40	6 - 78	6	17	7 - 69
Severe Chronic Heart Disease	5	0	5 - 63	5	20	1 - 78
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 81	13	8	0 - 99
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	13	0	0 - 72	19	0	0 - 52
Musculoskeletal/Skin Conditions	20	0	0 - 96	29	0	0 - 85
Neuropsychiatric/Sensory Disease	2	0	0 -100	1	0	0 -100
Urologic Disease	5	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	40
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ONEIDA COUNTY HOSPITAL

150 NORTH 200 WEST
MALAD, ID 83252

Medicare Hospital Provider Number: 130048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	67	13	5 - 23	64	9	5 - 21
Cancer	2	100	2 - 88	0	-	-
Cerebrovascular Accidents	2	100	1 - 90	2	0	0 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	2 - 97	0	-	-
Metabolic/Electrolyte Disorders	1	0	2 - 97	0	-	-
Pulmonary Disease	9	22	4 - 61	10	40	7 - 64
Renal Failure	0	-	-	1	0	3 - 98
Severe Acute Heart Disease	4	0	10 - 74	3	0	8 - 81
Severe Chronic Heart Disease	2	0	0 - 95	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	9	0	0 - 92
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	0	0 -100	5	0	0 -100
Musculoskeletal/Skin Conditions	4	0	0 -100	9	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	4	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	69
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

POCATELLO REGIONAL MEDICAL CENTER

777 HOSPITAL WAY
POCATELLO, ID 83201

Medicare Hospital Provider Number: 130005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	768	8	7 - 12	854	9	7 - 13
Cancer	16	25	18 - 61	15	40	18 - 66
Cerebrovascular Accidents	27	26	13 - 47	30	33	13 - 47
Gastrointestinal Catastrophes	12	33	8 - 61	5	40	4 - 78
Infectious Disease	7	57	7 - 72	5	20	7 - 75
Metabolic/Electrolyte Disorders	6	50	9 - 77	15	0	6 - 36
Pulmonary Disease	39	13	13 - 37	46	20	12 - 38
Renal Failure	6	50	6 - 79	6	50	13 - 85
Severe Acute Heart Disease	22	14	23 - 55	39	44	25 - 56
Severe Chronic Heart Disease	27	22	8 - 41	31	32	13 - 46
Severe Trauma	2	0	1 - 91	2	50	1 - 93
Gastrointestinal Disease	46	0	0 - 14	72	1	1 - 11
Gynecologic Disease	4	0	0 - 98	4	0	0 -100
Low-Risk Heart Disease	86	1	2 - 9	110	3	1 - 10
Musculoskeletal/Skin Conditions	138	0	1 - 5	143	1	0 - 8
Neuropsychiatric/Sensory Disease	34	0	0 - 26	34	3	0 - 68
Urologic Disease	44	2	0 - 86	41	0	0 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	110
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	95
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	61
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Pocatello Regional Medical Center
THE MED CENTER SERVING SOUTHEAST IDAHO
Richard M. Cagen, Administrator

October 17, 1988

Healthcare Financing Administration
Health Standard and Quality Bureau
2-E-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Thank you for the opportunity to respond to the Mortality Statistics for our hospitals for the period of January 1, 1987 through December 31, 1987.

The manager of Medical Records has validated that with a few exceptions the data is accurate. The information has also been carefully reviewed by our administrative team, the director of Quality Assessment/Risk Management, and the DRG coordinator. On an ongoing basis our hospital medical staff committees monitor every admission in the facility for appropriateness of care. We believe our monitoring system provides us with a continuous feedback mechanism for continuing to meet and exceed quality care standards. Our process is reviewed annually at the hospital level and reaffirmed by the Joint Commission on Hospital Accreditation.

We are pleased to note in the five categories of severe trauma, gastrointestinal disease, gynecologic disease, musculoskeletal and cutaneous condition, and neuropsychiatric and sensory disease, Pocatello Regional Medical Center had no mortalities. We are pleased to have been below or within the range for predicted mortalities in all diagnostic categories. The overall 8% Medicare mortality rate at PRMC is on the low end of the predicted range of 7% to 12%.

Pocatello Regional Medical Center will continue the ongoing process of quality assessment and peer review activities which are an integral part of monitoring the health care delivery system of which we pride ourselves. Analysis of these reviews is a constant endeavor to assist and identify opportunities for improvement.

Again, thank you for the opportunity to respond to the Mortality data. If you or anyone receiving this information has additional questions, we will be pleased to respond further.

Sincerely,

Richard M. Cagen
Administrator

SHOSHONE MEDICAL CENTER

JACOBS GULCH
KELLOGG, ID 83837

Medicare Hospital Provider Number: 130001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	156	13	6 - 18	209	16	7 - 18
Cancer	3	67	13 - 94	7	71	6 - 69
Cerebrovascular Accidents	3	67	3 - 86	6	50	9 - 76
Gastrointestinal Catastrophes	2	50	1 - 93	2	50	3 - 92
Infectious Disease	2	100	3 - 88	3	0	7 - 81
Metabolic/Electrolyte Disorders	0	-	-	2	0	5 - 89
Pulmonary Disease	11	18	6 - 55	14	14	8 - 49
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	6	33	11 - 76	3	33	12 - 93
Severe Chronic Heart Disease	6	17	1 - 74	7	71	8 - 70
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	14	1 - 56	15	7	0 - 63
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	16	0	0 - 72	19	5	0 - 48
Musculoskeletal/Skin Conditions	21	5	0 - 95	20	5	0 -100
Neuropsychiatric/Sensory Disease	5	20	0 -100	13	8	0 -100
Urologic Disease	3	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	39
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	20
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ALPHONSUS REGIONAL MEDICAL CENTER

1055 NORTH CURTIS ROAD
BOISE, ID 83704

Medicare Hospital Provider Number: 130007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,367	8	7 - 11	2,212	9	7 - 11
Cancer	57	30	25 - 52	42	24	24 - 53
Cerebrovascular Accidents	104	20	18 - 35	88	24	18 - 37
Gastrointestinal Catastrophes	30	27	17 - 53	25	28	21 - 59
Infectious Disease	7	29	11 - 72	14	36	14 - 63
Metabolic/Electrolyte Disorders	12	33	4 - 60	19	11	5 - 42
Pulmonary Disease	71	17	13 - 33	83	19	14 - 34
Renal Failure	23	4	12 - 57	36	19	10 - 59
Severe Acute Heart Disease	62	40	26 - 52	62	52	26 - 52
Severe Chronic Heart Disease	67	31	14 - 37	57	25	13 - 36
Severe Trauma	13	31	7 - 59	9	44	8 - 69
Gastrointestinal Disease	130	6	1 - 13	152	1	1 - 7
Gynecologic Disease	27	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	159	4	1 - 9	142	4	1 - 9
Musculoskeletal/Skin Conditions	503	1	1 - 4	451	2	0 - 5
Neuropsychiatric/Sensory Disease	202	2	0 - 8	182	3	0 - 10
Urologic Disease	110	1	0 - 11	106	1	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	246
Occupancy Rate (%):	63
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	169
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	212
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Saint Alphonsus
REGIONAL MEDICAL CENTER

1055 NORTH CURTIS
BOISE, IDAHO 83706-1370
(208) 378-2121

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider Number 13-0007

Dear Mrs. Kappert:

Thank you for the chance to respond to the Health Care Financing Administration's (HCFA) mortality data. Providing high quality patient care is our highest concern.

On the attached copy of the mortality information that you supplied to us, we've noted five mistakes. The total number of cases that our records indicate is 3,681, rather than the 2,367 which you show. Secondly, under Hospital Characteristics, our total number of beds is 269, not 189. Our total number of physicians is 289, rather than 165. Likewise, the percentage of physicians who are board certified is 88.5, not 60. And, contrary to your information under Specialty Services, we do have a Coronary Care Unit.

Mortality rates, by themselves, do not measure quality. The use of these rates as an indicator of quality of care at different hospitals is misleading. In fact, in your most recent letter of September 15, 1988, you stated that you "do not recommend the use of the information by itself to make judgments about quality of care in an individual hospital or to make comparisons among hospitals."

In addition to the inaccuracies we've noted, the data does not account for the severity of a patient's illness. At Saint Alphonsus, there are two major factors that cause us to receive patients that are sicker than the "average" Medicare patient. First, we are a regional referral center. Many patients are transferred to Saint Alphonsus by other facilities in Idaho in hopes that our specialized physicians, staff and technology could save the life of a patient who could not have been saved at another facility. Second, we are a regional trauma center. This also causes us to receive patients with extremely complex needs and in life threatening conditions. This complex mix of patients not only skews our mortality data, it also places the medical center in an unfair position with regard to Medicare's reimbursement practices. Due to a disproportionally large number of medicare outliers, Saint Alphonsus experienced write-offs in excess of $800,000 in the first six months of 1988.

Even with accurate information, the HCFA mortality data can do no more than identify potential areas for further evaluation. At best, it can be used to better focus quality assurance activities.

At Saint Alphonsus, our quality assurance program evaluates the quality and appropriateness of patient care. Our goal is to identify problems and provide the opportunity to improve patient care. All patient records are screened. When potential medical care problems are identified, the patient's record is reviewed by a physician. Deaths, complications, unnecessary tests or procedures and other potential problems are reviewed and discussed in monthly medical staff department meetings with the involved physician. Corrective action is taken if problems with medical care are identified.

In addition to the Medical Staff Peer Review process, each hospital department performs ongoing monitoring of the quality of care provided in the department. Special emphasis is placed on evaluating whether the major clinical functions of the Department are within nationally accepted standards of care and whether the care is provided in a caring and concerned manner. The Quality Assurance Department monitors these hospital department quality assurance activities to make sure adequate review mechanisms are in place and that identified problems are resolved.

In-depth studies are also performed on a routine basis to monitor high risk or problem prone areas. Both the medical staff and the hospital departments are accountable to the Medical Staff Quality Assurance Committee and the Board of Trustees (through its Quality Evaluation Committee). This high-level of attention to quality assurance measures ensures the continued provision of high-quality, cost-effective, gospel-oriented care at Saint Alphonsus.

Very truly yours,

Chris J. Anton
President

ST BENEDICT'S FAMILY MEDICAL CENTER

709 NORTH LINCOLN
JEROME, ID 83338

Medicare Hospital Provider Number: 130029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	235	10	7 - 16	296	13	8 - 17
Cancer	4	50	5 - 82	9	67	16 - 72
Cerebrovascular Accidents	6	17	7 - 69	7	43	6 - 71
Gastrointestinal Catastrophes	0	-	-	4	25	4 - 80
Infectious Disease	3	33	3 - 86	5	20	5 - 74
Metabolic/Electrolyte Disorders	2	0	0 - 94	4	25	1 - 83
Pulmonary Disease	16	13	11 - 48	12	17	4 - 52
Renal Failure	1	0	1 - 97	2	50	2 - 93
Severe Acute Heart Disease	8	50	11 - 72	18	22	20 - 59
Severe Chronic Heart Disease	13	23	9 - 55	19	21	10 - 48
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	31	3	0 - 34	37	0	0 - 18
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	31	0	1 - 17	33	0	0 - 19
Musculoskeletal/Skin Conditions	21	5	0 - 70	31	0	0 - 32
Neuropsychiatric/Sensory Disease	5	0	0 -100	3	0	0 -100
Urologic Disease	10	0	0 -100	11	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	(not available)
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

ST LUKE'S REGIONAL MEDICAL CENTER

190 EAST BANNOCK
BOISE, ID 83702

Medicare Hospital Provider Number: 130006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,419	10	10 - 14	2,310	11	10 - 14
Cancer	134	38	30 - 52	130	45	31 - 53
Cerebrovascular Accidents	73	18	18 - 37	78	21	16 - 36
Gastrointestinal Catastrophes	17	24	17 - 60	21	29	20 - 61
Infectious Disease	10	50	14 - 71	9	44	10 - 69
Metabolic/Electrolyte Disorders	37	35	19 - 53	33	24	15 - 49
Pulmonary Disease	62	13	13 - 33	64	22	14 - 37
Renal Failure	2	50	7 - 96	4	75	12 - 88
Severe Acute Heart Disease	108	38	26 - 47	111	32	28 - 48
Severe Chronic Heart Disease	82	32	13 - 34	88	15	17 - 34
Severe Trauma	4	25	3 - 80	2	0	7 - 91
Gastrointestinal Disease	154	5	1 - 10	160	3	1 - 8
Gynecologic Disease	55	0	0 -100	35	0	0 -100
Low-Risk Heart Disease	507	3	2 - 6	497	3	2 - 6
Musculoskeletal/Skin Conditions	122	2	0 - 8	119	1	1 - 7
Neuropsychiatric/Sensory Disease	29	10	0 - 89	36	0	0 - 36
Urologic Disease	147	1	0 - 7	118	0	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	270
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	243
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	364
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Medicare Provider #13-0006

190 East Bannock
Boise, Idaho
83712

208-386-2222

Edwin E. Dahlberg
President

St Luke's
Regional Medical Center

COMMENTS ON
HEALTH CARE FINANCING ADMINISTRATION
MORTALITY DATA
OCTOBER, 1988

The following comments represent the St. Luke's Regional Medical Center conclusions from the review of the 1987 Health Care Financing Administration (HCFA) mortality data; interpretation of that review; description of the unique nature of key services provided by the Medical Center; and the results the preliminary review of the HCFA patient list data in comparison to St. Luke's medical records.

We commend the Department for its efforts to improve the methodology, however there are still significant deficiencies in the methodology and analysis.

The HCFA transmittal letter appropriately notes that: "In the public release of information, HCFA will stress that the information by itself is not a complete measure of the quality of care at an individual hospital. While we believe that information on hospital mortality rates is useful, until we have developed addi-tional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of the information by itself to make judgements about the quality of care in an individual hospital or to make com-parisons among hospitals."

St. Luke's strongly supports this advice for several reasons, including those outlined below regarding the inaccuracies in the HCFA report. More important, however, is the fact that "quality" is an inherently subjective concept. In health care, "quality" may be defined in ways ranging from regulatory and accreditation standards such as licensure or Joint Commission on the Accreditation of Hospitals standards; to aesthetic standards; to personal service and staff attitudes; and to outcomes such as mortality data. Statistics such as length of stay and average charges are considered in some definitions of quality. On the other hand, the use of HCFA mortality data may assist many hospitals in further refining aspects of their operations and may stimulate an additional focus in the industry's long standing quality assurance program emphasis.

The hospital characteristics section of the HCFA report cites American Hospital Association 1986 as the source, however the HCFA reported data includes numerous errors and discrepancies when compared to the medical center's 1986 submission to AHA.

	HCFA	St. Luke's, AHA Submission	
BEDS (#)	160	General Medical Surgical	160
		ICU	13
		CCU	12
		NICU	18
		Pediatric ICU	4
		Pediatrics	20
		Post Partum	25
		Total	252
% Of Physicians Who Are Board Certified Specialists	65%	88% (207/234)	
RN's Per Bed	2.14	Hospital data reports include full time equivalents. The staff totals were divided by general medical surgical bed totals only (160).	
Interns & Residents	0.00	The AHA data only includes hospital employee interns and residents. Several interns and residents practice at the medical center.	
Hospice	No	Yes	

The HCFA data reports that in 1987, 2,419 Medicare patients were admitted to St. Luke's and that 246 of these patients died within 30 days of admission. Our review of the data provided by HCFA indicates that 190 of these patients expired while still a patient in the hospital with 56 expiring after discharge.

St. Luke's medical record data indicates 3,666 Medicare admissions, however many of these patients were admitted more than once. Based on the statistical methodology used in the HCFA report the difference between the HCFA and St. Luke's totals also reflect those patients whose last 1987 admission was to a hospital other than St. Luke's even though they were a St. Luke's patient at some earlier point during 1987. The medical center has no way to verify this assumption.

The medical center records indicate that of the 246 patients identified by HCFA as dying during their hospital stay, two indicate coding errors and are in the wrong category. One patient was not a Medicare patient. The 56 patients identified as dying after discharge by HCFA cannot be verified by the medical center records.

For the 190 inpatient deaths as reported by HCFA three, or 1.6% show a different principal diagnosis or different information in the St. Luke's records than is indicated in the HCFA report. Of these three, two are apparently the result of the Professional Review Organization not reporting the result of DRG validations to HCFA.

The St. Luke's medical records indicate that an additional four 1987 Medicare patients with less than 30 day lengths of stay, expired at St. Luke's. There is no apparent reasons for these omissions.

Although the St. Luke's mortality data is well within the predicted ranges noted by HCFA for all diagnostic categories, adjustments in the rates based on the previously noted data discrepancies may result in both different ranges and different rates.

It is important to note that the St. Luke's tertiary programs in cardiovascular surgery, cardiology and oncology attract patients from a large geographic area, serving the most high risk and complex cases. Patients with other primary diagnoses, with secondary heart or cancer problems, etc., are often referred to St. Luke's as well. The cancer and heart categories show St. Luke's death rates near the low end of the range; however, these secondary conditions may well affect the rates for other primary diagnostic categories.

Edwin E Dahlberg

Edwin E. Dahlberg, President
10/88

ST MARY'S HOSPITAL

701 LEWISTON STREET
COTTONWOOD, ID 83522

Medicare Hospital Provider Number: 130008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	117	17	6 - 20	126	10	7 - 18
Cancer	1	0	3 - 98	1	100	3 - 99
Cerebrovascular Accidents	8	38	6 - 68	5	20	4 - 74
Gastrointestinal Catastrophes	2	0	2 - 88	1	100	1 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	0	0 -100
Pulmonary Disease	11	18	3 - 56	11	18	6 - 55
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	3	67	4 - 86	8	50	14 - 75
Severe Chronic Heart Disease	9	33	5 - 64	7	0	3 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 - 89	15	0	0 - 67
Gynecologic Disease	5	0	0 -100	0	-	-
Low-Risk Heart Disease	9	0	0 -100	12	8	0 - 86
Musculoskeletal/Skin Conditions	9	11	0 -100	16	0	0 - 68
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	28
Occupancy Rate (%):	39
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. MARY'S HOSPITAL

September 23, 1988

Sandra Kappert
HCFA
Heath Standard and Quality Bureau
Meadows East Building, 2-A-2
6325 Security Boulevard
Baltimore, MD. 21207

Dear Ms. Kappert:

The following are my comments related to my review of the Medicine Hospital Mortality Information for St. Mary's Hospital, 13-0008.

One death, that of [redacted], was charged to our hospital but she was not our patient. She is on our Mortality list as the result of a payment error by Medicare.

Also, we are charged with 7 deaths related to patients who were catergorized as Swing-Bed patients. Since these patients are not acute hospital patients it would appear that our statistics may be distorted because Swing-Bed patients should have a higher mortality rate than acute hospital patients.

Sincerely,

John Hull, Administrator
St. Mary's Hospital

JH/lc
cc: Idaho Hospital Association

ST. JOSEPH'S REGIONAL MEDICAL CENTER

415 SIXTH ST
LEWISTON, ID 83501

Medicare Hospital Provider Number: 130003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,460	11	9 - 13	1,462	10	9 - 13
Cancer	62	39	29 - 57	41	49	30 - 63
Cerebrovascular Accidents	57	18	14 - 36	62	24	17 - 40
Gastrointestinal Catastrophes	18	50	12 - 59	17	12	17 - 55
Infectious Disease	10	50	9 - 66	17	35	14 - 60
Metabolic/Electrolyte Disorders	16	31	12 - 58	13	0	7 - 39
Pulmonary Disease	67	28	16 - 40	52	17	16 - 40
Renal Failure	0	-	-	3	67	7 - 90
Severe Acute Heart Disease	35	40	25 - 58	48	46	24 - 53
Severe Chronic Heart Disease	66	23	14 - 36	63	25	13 - 36
Severe Trauma	5	40	7 - 79	5	80	8 - 76
Gastrointestinal Disease	81	7	0 - 22	119	3	1 - 10
Gynecologic Disease	24	4	0 -100	21	0	0 -100
Low-Risk Heart Disease	154	5	1 - 10	165	6	1 - 10
Musculoskeletal/Skin Conditions	186	3	1 - 8	170	2	0 - 7
Neuropsychiatric/Sensory Disease	59	0	0 - 11	60	5	1 - 19
Urologic Disease	75	3	0 - 40	75	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	121
Occupancy Rate (%):	61
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	83
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	165
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Joseph
Regional Medical Center
People committed to life

415 6th Street P.O. Box 816 Lewiston, Idaho 83501
Phone (208) 743 2511

October 22, 1988

Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

St. Joseph Regional Medical Center in its philosophy states that it "witnesses to the Risen Christ by ministering to the people of God in accord with the highest ethical and moral principles of optimum patient care."

St. Joseph is sponsored by the Sisters of St. Joseph of Carondelet. It has been designated as a rural referral center, and serves north central Idaho and parts of eastern Washington. Responding to the needs of the community, St. Joseph earlier this year opened an expanded outpatient surgery area. The new Radiation Oncology program became operational in September '88.

St. Joseph is accredited by the Joint Commission on Accreditation of Healthcare Organizations, and strives to ensure the provision of high quality care to all patients, including Medicare beneficiaries. In accordance with the standards of Joint Commission and other professional organizations, St. Joseph has shown its commitment to a comprehensive quality assurance program that routinely includes mortality review as a regular component of its patient care evaluation process. Recognizing that death is only one of many possible outcomes of medical treatment, St. Joseph utilizes a systematic and comprehensive process to monitor the quality and appropriateness of all services provided; enhance patient safety, and promote efficient and cost effective utilization of resources.

Respectfully,

Howard A. Hayes

Howard A. Hayes
Administrator
HAH/gd

STEELE MEMORIAL HOSPITAL

MAIN AND DAISY (BOX 700)
SALMON, ID 83467

Medicare Hospital Provider Number: 130043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	209	12	8 - 18	230	12	8 - 17
Cancer	3	33	13 - 98	3	100	13 - 85
Cerebrovascular Accidents	6	33	6 - 73	5	40	6 - 78
Gastrointestinal Catastrophes	1	0	0 - 98	2	0	1 - 90
Infectious Disease	6	17	7 - 70	6	0	9 - 61
Metabolic/Electrolyte Disorders	1	0	0 - 97	4	0	1 - 81
Pulmonary Disease	23	13	9 - 41	23	26	9 - 47
Renal Failure	0	-	-	1	100	1 -100
Severe Acute Heart Disease	7	0	22 - 66	8	0	18 - 58
Severe Chronic Heart Disease	12	25	5 - 56	15	13	8 - 47
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	15	0	0 - 56	21	0	1 - 27
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	25	8	0 - 43	30	13	0 - 57
Musculoskeletal/Skin Conditions	18	11	0 - 99	27	4	0 - 33
Neuropsychiatric/Sensory Disease	9	22	1 - 70	12	0	0 - 96
Urologic Disease	7	0	0 -100	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

STEELE MEMORIAL HOSPITAL

(208) 756-4291
P. O. Box 700

SALMON, IDAHO - 83467

Kay H. Springer, R.N.
Administrator

Medicare Provider Number
130043

September 29, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

This letter is in response to the recently received Medicare Mortality data compiled by your agency.

In reference to the information contained in the hospital characteristics section, we find the following errors:

Beds 35 not 29 as you report

Total physicians 4, 2 of whom are Board Certified Family Practitioners.

Thank you for acknowledging these corrections.

Sincerely,

Kay H Springer

Kay Springer, R.N.
Administrator

db

SYRINGA GENERAL HOSPITAL

WEST MAIN AND B STREETS
GRANGEVILLE, ID 83530

Medicare Hospital Provider Number: 130016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	157	11	6 - 17	124	15	6 - 20
Cancer	2	50	3 - 92	0	-	-
Cerebrovascular Accidents	11	27	6 - 59	5	80	7 - 75
Gastrointestinal Catastrophes	4	75	7 - 81	0	-	-
Infectious Disease	0	-	-	1	0	0 - 97
Metabolic/Electrolyte Disorders	1	0	0 -100	2	0	0 - 98
Pulmonary Disease	12	8	5 - 47	7	14	2 - 65
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	6	33	12 - 78	8	38	13 - 73
Severe Chronic Heart Disease	2	50	0 - 95	3	33	1 - 89
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	12	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	18	6	0 - 70	16	0	0 - 38
Musculoskeletal/Skin Conditions	21	0	0 - 74	15	7	0 - 96
Neuropsychiatric/Sensory Disease	4	25	0 -100	5	0	0 -100
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	27
Occupancy Rate (%):	19
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Syringa General Hospital

(208) 983-1700
607 WEST MAIN
GRANGEVILLE, IDAHO 83530

October 17, 1988 Medicare # 130016

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The following comments are provided in response to the recently received mortality information about Medicare patients discharged from our hospital in 1987. We appreciate the opportunity provided by HCFA in allowing us to make comment on the data prior to its publication.

Hospital Characteristics:

There are several discrepancies in the hospital characteristics which are shown. We are concerned that if this data is in error, perhaps all data which is being used is also flawed.

Item	Discrepancy	Corrected
Beds	20	27
Occupancy Rate	26	22
Total Number Physicians	7	5
% Board Certified Specialist	43	40
Registered Nurses Per Bed	0.35	0.26
Lic. Prac. Nurses Per Bed	0.20	0.15

Mortality Information:

In reviewing the prior year (1986) information, we find that it disagrees with the available published information. The total number of cases has changed and numbers reported in diagnostic categories have been altered. We understand that the methodology being used has been revised in an effort to improve the information, but it would appear to be somewhat misleading when comparing to already published data.

1987 Data -

The following patient specific information is provided in each diagnostic category to point out the need for better severity-of-illness adjustment of data. Efforts should be made to explore different formats for data release including community-specific data. Outcome indicators, other than mortality, should be developed and tested. All hospitals' discharge data is not uniform and efforts should be made to develop a more clinically useful system.

Diagnostic Category

Cancer - Patient was an 87-year-old female with terminal cancer who requested no extra-ordinary life-sustaining measures be taken.

Cerebrovascular Accidents - Three patients: 79-year-old male who had been in nursing home for many years suffered CVA and expired with several co-morbidities.
81-year-old male whose family requested no IV's or other treatment.
79-year-old male who had been severely ill for at least two years, family requested he be taken home to die.

Neuropsychiatric and Sensory Disease - Patient was an 87-year-old female whose family requested no IV's.

Gastrointestinal Catastrophes - Three patients: 81-year-old male with metastatic carcinoma, refused treatment of co-morbidity.
71-year-old male with terminal cancer.
76-year-old male with hepato-renal syndrome.

Low-Risk Heart Disease - Patient was a 92-year-old nursing home patient whose family requested no pacemaker or CPR.

Pulmonary Disease - Patient was an 88-year-old female nursing home patient who requested to be taken back to convalescent center.

All Other Diseases - Five patients: 80-year-old female who refused amputation at Regional Medical Center.
88-year-old male with metastatic carcinoma.
67-year-old male with cancer who wanted to return to nursing home.
84-year-old female expired in accidental home fire.
72-year-old male who was transferred to Regional Medical Center and expired there.

Thank you for your consideration of the above information. It would appear that a better definition of the relationship between mortality rates and quality of care is required along with the promotion of more realistic expectations for the healthcare system in general. If mortality data is used, it should be used primarily as a means to identify opportunities for improvement in an organization and not as a means to fault or discredit an organization.

Sincerely,

Acel K. Thacker

Acel K. Thacker, MHCA
Administrator

TETON VALLEY HOSPITAL

283 N. FIRST EAST (P.O. BOX 64
DRIGGS, ID 83422

Medicare Hospital Provider Number: 130044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	60	8	5 - 21	59	14	6 - 25
Cancer	0	-	-	1	100	1 - 97
Cerebrovascular Accidents	1	0	0 - 99	4	50	3 - 82
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	0	3 - 88
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 98
Pulmonary Disease	7	29	6 - 69	2	0	0 - 92
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	0	2 - 97	4	50	12 - 87
Severe Chronic Heart Disease	7	0	10 - 55	3	33	1 - 88
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	3	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	10	0	0 - 99	11	0	0 - 97
Musculoskeletal/Skin Conditions	4	0	0 -100	5	0	0 - 99
Neuropsychiatric/Sensory Disease	0	-	-	5	0	0 -100
Urologic Disease	3	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	13
Occupancy Rate (%):	23
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TWIN FALLS CLINIC HOSPITAL

666 SHOSHONE STREET EAST
TWIN FALLS, ID 83301

Medicare Hospital Provider Number: 130036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	771	12	8 - 14	691	12	8 - 14
Cancer	15	47	19 - 67	15	60	24 - 72
Cerebrovascular Accidents	30	37	14 - 49	22	50	12 - 53
Gastrointestinal Catastrophes	5	20	12 - 79	7	43	8 - 73
Infectious Disease	9	22	8 - 63	6	0	19 - 69
Metabolic/Electrolyte Disorders	11	18	5 - 57	18	11	5 - 43
Pulmonary Disease	63	16	15 - 36	32	25	10 - 42
Renal Failure	3	33	7 - 89	1	0	1 - 97
Severe Acute Heart Disease	42	48	22 - 53	28	54	25 - 61
Severe Chronic Heart Disease	22	18	9 - 43	20	50	9 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	85	2	1 - 11	76	3	1 - 13
Gynecologic Disease	15	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	80	5	1 - 15	84	2	1 - 11
Musculoskeletal/Skin Conditions	107	2	1 - 9	90	1	0 - 9
Neuropsychiatric/Sensory Disease	17	0	0 - 64	21	0	0 - 77
Urologic Disease	31	3	0 - 57	20	0	0 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

VALLEY COUNTY HOSPITAL

BOX 151
CASCADE, ID 83611

Medicare Hospital Provider Number: 130054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	21	5	2 - 31	34	0	3 - 15
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	0 - 98
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	3	0	5 - 79
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	0	8 - 91	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 -100	7	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	0	-	-
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	10
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

WALTER KNOX MEMORIAL HOSPITAL

1202 EAST LOCUST
EMMETT, ID 83617

Medicare Hospital Provider Number: 130034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	192	16	7 - 18	209	10	7 - 16
Cancer	6	67	15 - 80	1	0	2 - 98
Cerebrovascular Accidents	8	38	12 - 72	5	60	4 - 77
Gastrointestinal Catastrophes	1	100	2 - 97	2	0	2 - 89
Infectious Disease	2	0	0 - 94	2	0	7 - 90
Metabolic/Electrolyte Disorders	3	33	3 - 86	3	33	2 - 87
Pulmonary Disease	14	29	5 - 54	14	21	10 - 54
Renal Failure	1	0	1 - 97	1	100	1 - 97
Severe Acute Heart Disease	2	100	5 - 89	3	67	3 - 86
Severe Chronic Heart Disease	16	31	8 - 53	10	20	7 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 81	18	0	0 - 63
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	21	0	0 - 55	39	5	0 - 27
Musculoskeletal/Skin Conditions	12	8	0 - 90	23	0	0 - 28
Neuropsychiatric/Sensory Disease	5	0	0 -100	5	0	0 -100
Urologic Disease	5	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	19
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WEST VALLEY MEDICAL CENTER

1717 ARLINGTON
CALDWELL, ID 83605

Medicare Hospital Provider Number: 130014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,045	12	9 - 14	1,055	11	9 - 15
Cancer	20	40	17 - 60	21	38	19 - 60
Cerebrovascular Accidents	40	38	15 - 45	37	24	15 - 43
Gastrointestinal Catastrophes	7	29	12 - 74	8	38	12 - 73
Infectious Disease	9	33	16 - 73	8	25	17 - 74
Metabolic/Electrolyte Disorders	3	67	4 - 86	10	40	9 - 67
Pulmonary Disease	54	22	16 - 41	65	26	15 - 39
Renal Failure	3	100	9 - 84	2	100	11 - 97
Severe Acute Heart Disease	63	49	28 - 54	51	43	25 - 54
Severe Chronic Heart Disease	41	17	15 - 40	48	21	13 - 37
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	71	3	1 - 13	87	1	1 - 9
Gynecologic Disease	21	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	115	4	1 - 11	101	4	1 - 11
Musculoskeletal/Skin Conditions	149	3	1 - 9	177	2	1 - 7
Neuropsychiatric/Sensory Disease	30	3	0 - 64	25	4	0 - 47
Urologic Disease	48	0	0 - 22	33	6	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	133
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

ALBANY GENERAL HOSPITAL

1046 W SIXTH ST
ALBANY, OR 97321

Medicare Hospital Provider Number: 380022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	938	14	9 - 14	753	11	9 - 15
Cancer	25	40	17 - 56	27	22	27 - 60
Cerebrovascular Accidents	50	32	13 - 40	28	32	13 - 48
Gastrointestinal Catastrophes	9	22	5 - 62	9	22	5 - 63
Infectious Disease	1	0	3 - 99	5	40	4 - 78
Metabolic/Electrolyte Disorders	9	22	7 - 63	6	33	1 - 77
Pulmonary Disease	46	28	12 - 40	28	29	14 - 48
Renal Failure	4	50	9 - 87	1	100	2 -100
Severe Acute Heart Disease	51	49	25 - 54	40	35	25 - 55
Severe Chronic Heart Disease	42	24	12 - 39	43	21	11 - 37
Severe Trauma	4	100	6 - 72	1	0	3 - 99
Gastrointestinal Disease	81	2	2 - 11	72	1	1 - 11
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	105	4	1 - 11	85	4	1 - 13
Musculoskeletal/Skin Conditions	89	4	0 - 15	73	3	0 - 15
Neuropsychiatric/Sensory Disease	22	0	0 - 60	22	5	0 - 58
Urologic Disease	56	4	0 - 28	46	0	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	81
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	71
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	87
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Albany General Hospital

A Member of Health Future—A Consortium of Independent Hospitals

Medicare Provider Number: 380022

October 18, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The data used by HCFA indicate that a total of 128 Medicare patients admitted 1987 to Albany General Hospital died; 97 died in the hospital and 31 died after discharge. Analysis of the case records show the following:

Inpatient Deaths

+ average age in excess of 77 years

+ patients were seriously or critically ill, with multiple medical complications at the time of admission; death or a significant possibility of death was the expected outcome at the time of admission

Post-Discharge Deaths

+ average age in excess of 80 years

+ over 90% of these patients were discharged with a prognosis of "terminal/poor"

+ 76% were discharged to skilled nursing facilities, 10% discharged home under family care and the remaining 14% returned home under home health and hospice programs

Because of our commitment to quality, the physicians and staff at Albany General Hospital review all deaths that occur in our hospital. We look for evidence that the physician, the family and in most cases, the patient, worked and communicated with each other to meet patient needs. Our goal is to determine whether problems in care contributed to the outcome and whether opportunities to improve care can be identified.

Factors that influence the last days of a patient's life include:

- stage of the disease,
- severity of illness,
- the socio-economic differences in the patient population,
- the availability and quality of pre and post-hospitalization medical care,
- factors totally unrelated to health or medical treatment (e.g., accidental death),
- and most importantly, was the cause of death related to the original purpose of hospitalization, and to what degree was death the expected, natural outcome?

HCFA considers a small number of factors in the publishing of this mortality data (age, sex, prior hospitalizations and the existence of comorbidities).

Mortality rates alone do not serve as the basis for measuring the quality of care provided by hospitals or physicians. Indeed, observers noted that in the HCFA mortality report published in December 1987, most of the excessively high rates were in hospitals with very small numbers of patients. This turned out to be meaningless from a statistical standpoint.

HCFA supports the notion that the ongoing release of these rates will help the public evaluate quality care at particular hospitals. But we join hospitals nationwide in believing that quality should be evidenced by a number of factors. Ideally quality is an interaction: with individuals playing a more active role in their own good health and health care providers who are willingly responding to individual community health needs.

This year's HCFA analysis has incorporated many improvements suggested from last year's experience. We appreciate your efforts and will continue to cooperate with HCFA and other agencies in seeking more meaningful measurements of quality.

Sincerely,

Rebecca Greenfield
Information Systems Manager
Albany General Hospital

RG/ks

ASHLAND COMMUNITY HOSPITAL

280 MAPLE STREET
ASHLAND, OR 97520

Medicare Hospital Provider Number: 380005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	407	12	9 - 16	352	12	10 - 17
Cancer	12	42	24 - 76	8	88	28 - 80
Cerebrovascular Accidents	12	42	12 - 64	14	21	10 - 54
Gastrointestinal Catastrophes	5	20	7 - 75	5	20	7 - 76
Infectious Disease	3	33	6 - 87	6	17	10 - 71
Metabolic/Electrolyte Disorders	11	18	8 - 58	6	0	8 - 60
Pulmonary Disease	20	25	11 - 50	16	25	15 - 58
Renal Failure	2	50	3 - 92	0	-	-
Severe Acute Heart Disease	14	43	20 - 68	24	38	21 - 59
Severe Chronic Heart Disease	23	43	11 - 51	21	19	10 - 46
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	18	0	0 - 34	18	6	0 - 89
Gynecologic Disease	10	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	47	2	0 - 18	35	3	1 - 23
Musculoskeletal/Skin Conditions	44	0	0 - 16	37	3	0 - 58
Neuropsychiatric/Sensory Disease	8	0	0 - 99	7	0	0 -100
Urologic Disease	39	0	0 - 25	25	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	58
Occupancy Rate (%):	26
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAY AREA HOSPITAL

1775 THOMPSON AVENUE
COOS BAY, OR 97420

Medicare Hospital Provider Number: 380090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,725	9	9 - 13	1,374	10	8 - 13
Cancer	59	36	27 - 54	48	33	24 - 53
Cerebrovascular Accidents	64	25	16 - 38	39	23	14 - 41
Gastrointestinal Catastrophes	21	29	22 - 62	8	50	16 - 77
Infectious Disease	13	38	16 - 67	1	0	1 - 97
Metabolic/Electrolyte Disorders	17	35	11 - 57	15	33	12 - 60
Pulmonary Disease	63	25	11 - 35	48	35	13 - 42
Renal Failure	2	50	5 - 94	2	50	4 - 93
Severe Acute Heart Disease	54	33	27 - 54	43	40	23 - 53
Severe Chronic Heart Disease	63	14	16 - 35	45	22	14 - 40
Severe Trauma	3	33	5 - 87	0	-	-
Gastrointestinal Disease	129	5	1 - 11	114	5	1 - 12
Gynecologic Disease	21	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	138	1	2 - 7	135	5	1 - 11
Musculoskeletal/Skin Conditions	221	2	1 - 7	183	3	0 - 8
Neuropsychiatric/Sensory Disease	55	2	0 - 17	52	4	0 - 20
Urologic Disease	144	1	0 - 7	79	3	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 140
Occupancy Rate (%): 60
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 72
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 0
Registered Nurses: 158
Licensed Practical Nurses: 23

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BESS KAISER MEDICAL CENTER

5055 NORTH GREELEY AVENUE
PORTLAND, OR 97217

Medicare Hospital Provider Number: 380055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,829	10	9 - 13	2,784	9	9 - 13
Cancer	104	29	29 - 51	113	27	29 - 51
Cerebrovascular Accidents	121	22	17 - 34	104	20	19 - 37
Gastrointestinal Catastrophes	26	31	18 - 56	29	28	14 - 51
Infectious Disease	14	29	15 - 63	17	24	19 - 61
Metabolic/Electrolyte Disorders	53	25	12 - 41	32	13	9 - 39
Pulmonary Disease	101	23	16 - 35	94	27	17 - 38
Renal Failure	6	50	9 - 81	5	0	7 - 71
Severe Acute Heart Disease	101	35	29 - 50	119	37	30 - 50
Severe Chronic Heart Disease	119	19	18 - 34	111	25	17 - 35
Severe Trauma	5	20	6 - 75	3	33	5 - 87
Gastrointestinal Disease	173	5	1 - 10	198	2	1 - 6
Gynecologic Disease	24	0	0 -100	38	0	0 -100
Low-Risk Heart Disease	389	2	2 - 5	329	3	2 - 6
Musculoskeletal/Skin Conditions	287	2	1 - 6	335	3	1 - 6
Neuropsychiatric/Sensory Disease	81	4	1 - 13	99	5	0 - 15
Urologic Disease	121	2	0 - 9	113	2	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	182
Occupancy Rate (%):	87
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	187
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	9
Registered Nurses:	292
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

KAISER PERMANENTE

Bess Kaiser Medical Center, 38-0055
Kaiser Sunnyside Medical Center, 38-0091

October 21, 1988

William L. Roper, M.D.
Administrator
Department of Health & Human Services
Health Care Financing Administration
Washington, D.C. 20201

Re: Comments on 1987 HCFA Mortality Data

Dear Dr. Roper:

Kaiser Permanente, Northwest Region, has a substantial and continuing involvement in the development and use of methods to adequately risk adjust outcomes of hospital care. Although we support the concept of providing consumers with information on this subject, the 1987 Medicare hospital mortality statistics are of limited value for this purpose. Despite some further improvements in the methods used to prepare these statistics, many problems remain.

One serious error in the HCFA mortality models is the failure to adjust for the diverse mortality rates of the principal diagnoses within a given diagnostic category. For example, "Severe Acute Heart Disease" includes both subendocardial infarcts and ruptured aortic aneurysms. The death rates for the latter typically average five times those for the former; nothing in the model adjusts for the mix of these cases by hospital.

The "Severe Trauma" category includes injuries which vary considerably in their death rates. Using chronic disease comorbidities is of little value. It would have been far more appropriate to use various trauma-related diagnoses as risk predictors.

The "Cancer" diagnostic category is one of the most problematic. The stage of malignancy is a key prognostic risk factor, but HCFA uses none of the codes in its model which would help to distinguish stage. The risk model should favor cancer cases having scheduled surgery. HCFA has failed once again to omit cancer cases hospitalized in hospice services which have not sought Medicare approval. (Regulations require that a hospital bill be submitted for such cases even though no charges are made to Medicare.) Several Kaiser Foundation Hospitals with such hospice services had substantial numbers of these hospice cases included, with predictably high death rates.

Based on the binomial distribution, a 100% mortality rate can occur by chance over 2.5% of the time when a hospital has 1 or 2 cases in a diagnostic category with an expected probability of death of 20% (e.g., Severe Trauma) or has 1 to 4 cases in a category with an expected death rate of 40% (e.g., Renal Failure). Hospital deaths in these categories which exceed their predicted mortality range raise questions about HCFA's statistical tests.

We were unable to confirm any of the "Hospital Characteristics" reported for Kaiser Foundation Hospitals. Discussions with staff of the American Hospital Association have revealed that HCFA made numerous errors when cross-tabulating the Association's survey data (e.g., using imputed instead of reported values for the "percent of physicians who are Board Certified specialists"). For this reason there is little sense in preparing detailed revisions of these faulty data, which we assume will be corrected by HCFA at some future date.

Sincerely,

Theodore M Carpenter

Theodore M. Carpenter
Vice President and Associate Regional Manager

TMC:am

BLUE MOUNTAIN HOSPITAL

170 FORD RD
JOHN DAY, OR 97845

Medicare Hospital Provider Number: 380078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	121	15	7 - 20	126	13	4 - 17
Cancer	1	100	3 - 98	0	-	-
Cerebrovascular Accidents	6	67	5 - 73	4	50	4 - 82
Gastrointestinal Catastrophes	0	-	-	4	0	2 - 73
Infectious Disease	1	0	0 - 98	1	0	0 - 99
Metabolic/Electrolyte Disorders	0	-	-	1	100	0 -100
Pulmonary Disease	9	22	7 - 62	6	33	4 - 73
Renal Failure	1	100	3 - 99	1	100	0 - 98
Severe Acute Heart Disease	6	50	8 - 76	3	0	5 - 79
Severe Chronic Heart Disease	8	50	6 - 68	10	30	4 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 47	14	0	0 - 98
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	17	6	0 - 67	14	0	0 - 56
Musculoskeletal/Skin Conditions	8	0	0 -100	7	14	0 -100
Neuropsychiatric/Sensory Disease	9	0	0 - 92	5	0	0 -100
Urologic Disease	0	-	-	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	39
Occupancy Rate (%):	13
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CASCADE COMMUNITY HOSPITAL

600 S SECOND ST
CENTRAL POINT, OR 97501

Medicare Hospital Provider Number: 380077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	106	13	4 - 19	136	10	5 - 16
Cancer	2	100	12 - 96	1	100	2 - 97
Cerebrovascular Accidents	3	0	1 - 82	3	33	1 - 88
Gastrointestinal Catastrophes	0	-	-	2	100	5 - 89
Infectious Disease	0	-	-	2	0	1 - 89
Metabolic/Electrolyte Disorders	3	33	0 - 92	5	20	0 - 88
Pulmonary Disease	8	38	5 - 67	8	25	3 - 66
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	4	25	5 - 80	7	29	10 - 71
Severe Chronic Heart Disease	6	17	2 - 69	5	20	3 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	0	0 - 89	9	11	0 - 99
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	11	9	0 - 99	18	0	0 - 43
Musculoskeletal/Skin Conditions	19	0	0 - 99	18	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	5	0	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	28
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CENTRAL OREGON DISTRICT HOSPITAL

1253 N CANAL BLVD
REDMOND, OR 97756

Medicare Hospital Provider Number: 380040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	416	11	9 - 16	392	11	8 - 15
Cancer	12	50	20 - 72	12	67	15 - 66
Cerebrovascular Accidents	9	22	6 - 61	12	25	8 - 57
Gastrointestinal Catastrophes	2	50	4 - 92	4	25	6 - 81
Infectious Disease	2	0	2 - 89	0	-	-
Metabolic/Electrolyte Disorders	5	0	1 - 69	6	0	8 - 60
Pulmonary Disease	29	24	12 - 45	33	36	14 - 48
Renal Failure	3	67	12 - 96	0	-	-
Severe Acute Heart Disease	20	15	24 - 58	16	19	17 - 57
Severe Chronic Heart Disease	18	39	10 - 54	16	19	9 - 49
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	33	0	2 - 15	35	3	0 - 51
Gynecologic Disease	7	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	46	4	1 - 20	44	0	0 - 14
Musculoskeletal/Skin Conditions	31	3	0 - 87	31	0	0 - 53
Neuropsychiatric/Sensory Disease	18	6	0 - 69	17	0	0 - 95
Urologic Disease	14	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	33
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	97
Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLUMBIA HOSPITAL

2111 EXCHANGE ST (P O BOX 330)
ASTORIA, OR 97103

Medicare Hospital Provider Number: 380026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	544	10	7 - 13	436	12	8 - 15
Cancer	15	33	15 - 62	8	63	22 - 82
Cerebrovascular Accidents	19	26	11 - 51	14	36	6 - 56
Gastrointestinal Catastrophes	3	0	9 - 82	4	25	4 - 80
Infectious Disease	4	50	7 - 84	5	20	4 - 74
Metabolic/Electrolyte Disorders	4	25	2 - 81	6	50	3 - 75
Pulmonary Disease	22	32	13 - 52	14	7	16 - 51
Renal Failure	0	-	-	2	50	2 - 92
Severe Acute Heart Disease	10	0	24 - 58	17	53	18 - 63
Severe Chronic Heart Disease	22	14	9 - 41	20	45	8 - 51
Severe Trauma	1	100	0 - 98	1	0	1 - 97
Gastrointestinal Disease	36	0	0 - 18	29	0	0 - 24
Gynecologic Disease	12	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	41	2	0 - 22	43	0	1 - 13
Musculoskeletal/Skin Conditions	73	1	0 - 13	66	3	0 - 22
Neuropsychiatric/Sensory Disease	7	0	0 -100	12	0	0 - 98
Urologic Disease	42	0	0 - 16	32	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COQUILLE VALLEY HOSPITAL

940 E FIFTH ST
COQUILLE, OR 97423

Medicare Hospital Provider Number: 380087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	189	14	10 - 21	158	11	7 - 18
Cancer	2	50	7 - 95	2	50	7 - 95
Cerebrovascular Accidents	9	56	16 - 73	5	20	6 - 74
Gastrointestinal Catastrophes	2	50	3 - 92	1	100	0 -100
Infectious Disease	1	100	1 - 97	3	0	8 - 81
Metabolic/Electrolyte Disorders	1	100	3 -100	0	-	-
Pulmonary Disease	18	33	9 - 52	9	0	5 - 45
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	14	29	12 - 59	10	30	12 - 65
Severe Chronic Heart Disease	11	27	7 - 59	11	27	4 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 38	12	0	0 - 81
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	16	6	0 - 77	16	19	0 - 86
Musculoskeletal/Skin Conditions	5	0	0 -100	10	0	0 -100
Neuropsychiatric/Sensory Disease	8	0	0 -100	2	0	0 -100
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	20
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COTTAGE GROVE HOSPITAL

1340 BIRCH STREET
COTTAGE GROVE, OR 97424

Medicare Hospital Provider Number: 380036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	342	15	8 - 16	339	13	9 - 17
Cancer	12	75	22 - 71	5	80	14 - 81
Cerebrovascular Accidents	13	38	11 - 61	21	43	9 - 51
Gastrointestinal Catastrophes	5	40	2 - 79	5	40	4 - 78
Infectious Disease	3	0	6 - 80	4	0	9 - 73
Metabolic/Electrolyte Disorders	6	17	3 - 70	4	25	1 - 84
Pulmonary Disease	24	17	10 - 43	16	6	12 - 44
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	13	69	14 - 62	18	33	19 - 62
Severe Chronic Heart Disease	21	19	8 - 44	21	14	11 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	37	0	0 - 24	30	3	0 - 36
Gynecologic Disease	5	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	41	10	0 - 36	41	5	0 - 32
Musculoskeletal/Skin Conditions	15	0	0 - 82	18	0	0 - 81
Neuropsychiatric/Sensory Disease	6	33	0 -100	8	13	0 - 82
Urologic Disease	20	0	0 -100	14	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CURRY GENERAL HOSPITAL

220 E FOURTH ST
GOLD BEACH, OR 97444

Medicare Hospital Provider Number: 380072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	125	14	5 - 19	119	13	7 - 20
Cancer	3	67	7 - 88	2	100	8 - 91
Cerebrovascular Accidents	3	33	3 - 86	2	100	1 - 91
Gastrointestinal Catastrophes	3	0	5 - 79	0	-	-
Infectious Disease	0	-	-	2	0	3 - 88
Metabolic/Electrolyte Disorders	1	0	0 - 98	3	33	7 - 88
Pulmonary Disease	7	29	3 - 69	13	23	4 - 54
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	57	18 - 81	8	50	6 - 69
Severe Chronic Heart Disease	4	25	1 - 84	6	33	3 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 91	9	0	0 -100
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	15	7	0 - 81	15	0	0 - 86
Musculoskeletal/Skin Conditions	6	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	11	9	0 -100	5	0	0 -100
Urologic Disease	9	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	21
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DOUGLAS COMMUNITY HOSPITAL

738 W HARVARD BLVD
ROSEBURG, OR 97470

Medicare Hospital Provider Number: 380064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	659	12	11 - 17	611	12	10 - 16
Cancer	19	11	24 - 57	17	24	19 - 61
Cerebrovascular Accidents	26	27	11 - 46	15	33	9 - 56
Gastrointestinal Catastrophes	11	36	14 - 68	8	38	10 - 71
Infectious Disease	10	50	7 - 65	6	50	13 - 80
Metabolic/Electrolyte Disorders	17	24	12 - 55	10	20	9 - 62
Pulmonary Disease	42	29	14 - 43	36	31	11 - 43
Renal Failure	2	50	4 - 93	2	100	10 - 95
Severe Acute Heart Disease	30	47	24 - 59	31	32	23 - 57
Severe Chronic Heart Disease	35	20	10 - 38	30	27	10 - 43
Severe Trauma	2	50	2 - 92	1	0	0 - 98
Gastrointestinal Disease	40	2	1 - 20	43	5	0 - 24
Gynecologic Disease	11	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	48	0	1 - 11	79	5	1 - 16
Musculoskeletal/Skin Conditions	48	4	0 - 38	46	4	0 - 30
Neuropsychiatric/Sensory Disease	30	0	0 - 58	36	0	0 - 57
Urologic Disease	26	0	0 - 99	25	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	118
Occupancy Rate (%):	43
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	84
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EASTMORELAND GENERAL HOSPITAL

2900 S E STEELE STREET
PORTLAND, OR 97202

Medicare Hospital Provider Number: 380039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	668	14	9 - 16	538	14	9 - 16
Cancer	15	7	16 - 50	13	31	15 - 64
Cerebrovascular Accidents	44	20	16 - 41	27	19	15 - 45
Gastrointestinal Catastrophes	5	60	11 - 82	8	63	15 - 76
Infectious Disease	8	50	12 - 74	7	43	11 - 75
Metabolic/Electrolyte Disorders	21	33	18 - 60	25	36	8 - 49
Pulmonary Disease	42	31	11 - 41	27	22	13 - 46
Renal Failure	2	50	4 - 93	4	50	13 - 92
Severe Acute Heart Disease	12	17	20 - 64	8	50	9 - 70
Severe Chronic Heart Disease	37	30	10 - 40	30	30	9 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	49	6	0 - 26	34	0	0 - 31
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	57	7	0 - 27	45	7	1 - 26
Musculoskeletal/Skin Conditions	69	3	0 - 30	56	2	0 - 16
Neuropsychiatric/Sensory Disease	20	5	0 - 81	21	5	0 - 85
Urologic Disease	40	0	0 - 17	32	3	1 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

EMANUEL HOSPITAL

2801 NORTH GANTENBEIN STREET
PORTLAND, OR 97227

Medicare Hospital Provider Number: 380007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,884	14	10 - 15	1,468	13	10 - 15
Cancer	78	55	28 - 53	55	44	29 - 58
Cerebrovascular Accidents	91	24	19 - 38	77	26	16 - 37
Gastrointestinal Catastrophes	25	24	21 - 58	8	75	8 - 67
Infectious Disease	28	32	19 - 56	24	46	16 - 57
Metabolic/Electrolyte Disorders	29	17	13 - 47	13	0	5 - 39
Pulmonary Disease	63	30	16 - 41	53	23	18 - 43
Renal Failure	5	20	8 - 79	12	8	9 - 63
Severe Acute Heart Disease	80	42	23 - 47	49	39	27 - 55
Severe Chronic Heart Disease	85	36	13 - 35	77	31	13 - 35
Severe Trauma	9	67	7 - 67	8	38	4 - 69
Gastrointestinal Disease	80	4	1 - 13	59	7	0 - 26
Gynecologic Disease	11	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	255	6	1 - 8	188	4	1 - 9
Musculoskeletal/Skin Conditions	203	2	1 - 7	177	1	1 - 6
Neuropsychiatric/Sensory Disease	53	8	0 - 38	38	5	0 - 31
Urologic Disease	74	1	0 - 20	52	2	0 - 45

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 339
Occupancy Rate (%): 65
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 319
Percent of Physicians Who Are Board Certified Specialists: 74
Interns and Residents: 40
Registered Nurses: 456
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

EUGENE HOSPITAL AND CLINIC

1162 WILLAMETTE STREET
EUGENE, OR 97401

Medicare Hospital Provider Number: 380079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	785	11	10 - 15	663	11	10 - 16
Cancer	19	53	20 - 64	11	55	18 - 72
Cerebrovascular Accidents	25	36	15 - 52	15	27	8 - 53
Gastrointestinal Catastrophes	13	31	17 - 67	11	9	16 - 59
Infectious Disease	17	35	19 - 64	7	0	10 - 57
Metabolic/Electrolyte Disorders	14	21	9 - 55	14	7	10 - 48
Pulmonary Disease	32	16	11 - 39	29	14	13 - 41
Renal Failure	3	33	10 - 92	9	22	23 - 85
Severe Acute Heart Disease	33	30	25 - 57	33	39	26 - 59
Severe Chronic Heart Disease	52	21	14 - 37	44	25	12 - 39
Severe Trauma	2	50	5 - 94	0	-	-
Gastrointestinal Disease	75	1	1 - 11	45	2	0 - 20
Gynecologic Disease	12	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	86	2	1 - 10	77	5	1 - 15
Musculoskeletal/Skin Conditions	69	3	0 - 17	60	7	0 - 33
Neuropsychiatric/Sensory Disease	17	0	0 - 64	8	0	0 - 76
Urologic Disease	37	0	0 - 31	27	4	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	57
Occupancy Rate (%):	49
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	55
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FOREST GROVE COMMUNITY HOSPITAL

1809 MAPLE STREET
FOREST GROVE, OR 97116

Medicare Hospital Provider Number: 380068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	214	16	9 - 19	202	14	7 - 17
Cancer	3	33	4 - 86	2	50	3 - 92
Cerebrovascular Accidents	13	38	10 - 60	7	14	8 - 64
Gastrointestinal Catastrophes	2	50	0 - 96	2	100	2 - 89
Infectious Disease	1	0	0 -100	0	-	-
Metabolic/Electrolyte Disorders	8	13	5 - 60	4	25	6 - 80
Pulmonary Disease	16	31	14 - 58	17	18	8 - 48
Renal Failure	2	50	5 - 94	0	-	-
Severe Acute Heart Disease	8	75	14 - 71	10	30	13 - 66
Severe Chronic Heart Disease	9	33	6 - 64	8	50	4 - 68
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	17	0	0 - 50	26	4	0 - 54
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	29	7	0 - 36	17	0	0 - 34
Musculoskeletal/Skin Conditions	11	9	0 - 99	26	4	0 - 52
Neuropsychiatric/Sensory Disease	8	0	0 - 98	7	14	0 -100
Urologic Disease	4	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	21
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	24
Percent of Physicians Who Are Board Certified Specialists:	46
Interns and Residents:	0
Registered Nurses:	52
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GOOD SAMARITAN HOSP & MEDICAL CNTR

1015 NW 22ND AVE
PORTLAND, OR 97210

Medicare Hospital Provider Number: 380017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,524	9	9 - 13	2,967	8	8 - 12
Cancer	131	44	30 - 52	118	44	30 - 52
Cerebrovascular Accidents	110	28	19 - 37	89	25	18 - 37
Gastrointestinal Catastrophes	25	44	21 - 62	23	4	21 - 49
Infectious Disease	16	31	16 - 61	34	29	19 - 54
Metabolic/Electrolyte Disorders	53	23	14 - 43	40	27	13 - 45
Pulmonary Disease	105	23	17 - 37	82	20	15 - 35
Renal Failure	24	33	17 - 68	18	17	5 - 60
Severe Acute Heart Disease	91	34	30 - 51	71	31	28 - 51
Severe Chronic Heart Disease	92	22	16 - 34	100	15	16 - 32
Severe Trauma	7	14	5 - 65	4	25	2 - 81
Gastrointestinal Disease	163	2	1 - 7	143	3	1 - 9
Gynecologic Disease	33	0	0 -100	31	0	0 - 98
Low-Risk Heart Disease	615	3	3 - 6	484	4	2 - 6
Musculoskeletal/Skin Conditions	327	1	1 - 5	285	1	2 - 5
Neuropsychiatric/Sensory Disease	310	2	1 - 6	270	3	1 - 7
Urologic Disease	184	1	1 - 5	141	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	336
Occupancy Rate (%):	67
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	334
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	33
Registered Nurses:	394
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GOOD SAMARITAN HOSPITAL

3600 NW SAMARITAN DR (P O BOX
CORVALLIS, OR 97330

Medicare Hospital Provider Number: 380014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,501	10	9 - 13	1,157	10	9 - 14
Cancer	60	45	30 - 58	51	43	30 - 60
Cerebrovascular Accidents	66	29	17 - 40	56	16	16 - 37
Gastrointestinal Catastrophes	8	0	18 - 61	5	20	7 - 75
Infectious Disease	14	36	17 - 66	10	50	11 - 68
Metabolic/Electrolyte Disorders	18	22	3 - 49	12	33	9 - 62
Pulmonary Disease	59	17	16 - 38	42	24	14 - 42
Renal Failure	0	-	-	4	50	5 - 85
Severe Acute Heart Disease	44	45	25 - 55	41	54	23 - 54
Severe Chronic Heart Disease	52	21	12 - 35	26	15	11 - 41
Severe Trauma	2	50	0 - 96	1	0	0 - 98
Gastrointestinal Disease	97	1	2 - 8	85	5	1 - 15
Gynecologic Disease	23	0	0 - 99	14	0	0 -100
Low-Risk Heart Disease	137	4	1 - 10	121	0	2 - 6
Musculoskeletal/Skin Conditions	213	2	1 - 6	136	2	1 - 8
Neuropsychiatric/Sensory Disease	93	3	1 - 12	53	4	0 - 21
Urologic Disease	102	1	0 - 11	64	2	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	112
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	0
Registered Nurses:	157
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GOOD SHEPHERD COMMUNITY HOSPITAL

610 NW 11TH AVENUE
HERMISTON, OR 97838

Medicare Hospital Provider Number: 380023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	392	10	9 - 16	356	12	8 - 15
Cancer	9	33	11 - 69	7	71	13 - 75
Cerebrovascular Accidents	14	14	13 - 53	12	33	9 - 60
Gastrointestinal Catastrophes	1	0	0 - 99	6	17	7 - 70
Infectious Disease	3	67	4 - 86	2	50	2 - 92
Metabolic/Electrolyte Disorders	11	27	5 - 60	13	0	7 - 40
Pulmonary Disease	18	17	11 - 49	17	35	9 - 54
Renal Failure	3	67	7 - 90	0	-	-
Severe Acute Heart Disease	19	37	21 - 63	24	25	20 - 55
Severe Chronic Heart Disease	22	32	10 - 49	8	50	3 - 69
Severe Trauma	1	0	1 - 97	2	0	3 - 88
Gastrointestinal Disease	26	0	0 - 31	28	0	0 - 44
Gynecologic Disease	6	0	0 -100	1	100	0 -100
Low-Risk Heart Disease	53	2	1 - 14	38	5	0 - 29
Musculoskeletal/Skin Conditions	65	2	1 - 12	63	5	0 - 32
Neuropsychiatric/Sensory Disease	7	0	0 - 97	4	0	0 -100
Urologic Disease	1	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 74
Occupancy Rate (%): 37
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 21
Percent of Physicians Who Are Board Certified Specialists: 48
Interns and Residents: 0
Registered Nurses: 42
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

GRANDE RONDE HOSPITAL

900 SUNSET DRIVE
LA GRANDE, OR 97850

Medicare Hospital Provider Number: 380035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	631	10	8 - 14	514	9	8 - 14
Cancer	12	42	17 - 69	10	40	12 - 68
Cerebrovascular Accidents	20	15	14 - 47	13	23	9 - 55
Gastrointestinal Catastrophes	6	33	9 - 76	5	60	6 - 78
Infectious Disease	3	33	6 - 87	3	67	7 - 88
Metabolic/Electrolyte Disorders	7	14	4 - 65	6	17	4 - 69
Pulmonary Disease	44	27	11 - 39	33	15	14 - 41
Renal Failure	1	0	3 - 99	0	-	-
Severe Acute Heart Disease	29	48	20 - 57	25	32	22 - 58
Severe Chronic Heart Disease	14	29	9 - 56	10	20	5 - 58
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	49	8	0 - 30	47	6	0 - 32
Gynecologic Disease	15	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	50	2	1 - 16	44	2	1 - 17
Musculoskeletal/Skin Conditions	101	4	0 - 15	49	0	1 - 12
Neuropsychiatric/Sensory Disease	17	6	0 - 86	14	0	0 - 99
Urologic Disease	38	0	0 - 17	28	0	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	32
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	35
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRANDE RONDE HOSPITAL
900 SUNSET DRIVE • P.O. BOX 3290 • LA GRANDE, OREGON 97850 • (503) 963-8421

October 3, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have concluded our internal review of the mortality information scheduled for release later this year.

In general, there are only two comments or concerns relating to the data and the methods of developing it and presenting it to the media. First, in reporting hospital statistics admissions data and discharge data are two different sources of numbers. It is difficult to be sure the mechanism used to arrive at the "overall" category and the actual mortality rate is appropriate due to the use of both terms in your Appendix A. Secondly, it would be useful to indicate the minimum number required to cause the figures to be statistically valid when being presented for interpretation by the lay person.

Also identified in the course our our review are several inaccuracies in our hospital specific data. I have listed them below.

Patients eligible for MMPS abstraction listed more than once:

1) [redacted] [redacted] Admit Dates - 2/20/87
12/11/87
5/20/87

2) [redacted] [redacted] Admit Dates - 2/17/87
3/15/87

3) [redacted] [redacted] Admit Dates - 12/21/87
12/27/87

4) [redacted] [redacted] Admit Dates - 11/9/87
8/28/87

5) [redacted] [redacted] Admit Dates - 6/17/87
7/5/87

Patients transferred to another acute care facility at discharge from Grande Ronde Hospital, thereby being included in our statistics in error:

1) [redacted] [redacted] to Providence Medical Center

2) [redacted] [redacted] to Good Samaritan Hospital

3) [redacted] [redacted] to Walla Walla VA Hospital

4) [redacted] [redacted]
Discharged 9/30/87 to Good Samaritan Hospital

Incorrect dates of death:

1) [redacted] [redacted] Correct Date - 5/26/87

2) [redacted] [redacted] Correct Date - 11/13/87

3) [redacted] [redacted] Correct Date - 7/29/87

I hope you find the comments helpful, and please let me know if I can provide you with further information or clarify anything.

Sincerely,

Melinda Falconer

Melinda Falconer, ART
Medical Staff Services Director

cc: Kenneth D. Rost, M.D.
Quality Assurance Committee Chairman

HARNEY COUNTY HOSPITAL

557 W WASHINGTON ST
BURNS, OR 97720

Medicare Hospital Provider Number: 380069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	107	22	8 - 24	95	14	7 - 22
Cancer	2	50	7 - 95	1	100	3 - 99
Cerebrovascular Accidents	6	33	7 - 73	3	0	5 - 79
Gastrointestinal Catastrophes	1	0	3 - 98	1	0	0 - 99
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	50	6 - 83	1	0	0 -100
Pulmonary Disease	11	27	9 - 61	9	11	5 - 56
Renal Failure	0	-	-	2	100	5 - 90
Severe Acute Heart Disease	3	67	9 - 89	9	33	12 - 69
Severe Chronic Heart Disease	3	67	1 - 88	7	0	4 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 - 99	8	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	8	0 - 93	9	0	0 - 97
Musculoskeletal/Skin Conditions	8	0	0 - 92	6	33	0 - 99
Neuropsychiatric/Sensory Disease	3	33	0 -100	6	17	0 -100
Urologic Disease	4	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	13
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARVEY E RINEHART MEMORIAL HOSPITAL

278 ROWE ST (P O BOX 16)
WHEELER, OR 97147

Medicare Hospital Provider Number: 380043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	67	18	9 - 28	83	13	5 - 21
Cancer	2	50	8 - 98	2	50	5 - 93
Cerebrovascular Accidents	1	0	0 - 97	2	50	1 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	3	67	1 - 87
Metabolic/Electrolyte Disorders	1	0	0 -100	4	0	0 - 82
Pulmonary Disease	13	23	12 - 58	6	50	2 - 75
Renal Failure	2	50	3 - 92	1	100	2 - 97
Severe Acute Heart Disease	4	100	14 - 77	1	100	3 - 99
Severe Chronic Heart Disease	3	100	3 - 79	4	50	3 - 82
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	4	0	0 - 93	7	0	0 - 99
Musculoskeletal/Skin Conditions	3	0	0 -100	7	0	0 - 99
Neuropsychiatric/Sensory Disease	1	0	0 -100	0	-	-
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 72
Occupancy Rate (%): (not available)
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

HOLLADAY PARK MEDICAL CENTER

1225 NE SECOND
PORTLAND, OR 97232

Medicare Hospital Provider Number: 380024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	979	12	9 - 14	970	9	8 - 13
Cancer	39	44	26 - 59	36	33	25 - 58
Cerebrovascular Accidents	43	35	17 - 46	43	23	17 - 43
Gastrointestinal Catastrophes	17	41	19 - 65	7	29	8 - 71
Infectious Disease	11	55	11 - 66	7	57	10 - 74
Metabolic/Electrolyte Disorders	7	43	3 - 72	9	0	7 - 48
Pulmonary Disease	38	42	13 - 45	34	21	13 - 42
Renal Failure	4	25	9 - 85	6	67	18 - 89
Severe Acute Heart Disease	30	57	22 - 57	21	38	25 - 65
Severe Chronic Heart Disease	41	24	13 - 40	42	24	12 - 39
Severe Trauma	3	67	3 - 86	1	0	0 - 97
Gastrointestinal Disease	66	3	0 - 18	87	2	1 - 11
Gynecologic Disease	7	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	84	4	1 - 13	78	5	0 - 17
Musculoskeletal/Skin Conditions	115	3	0 - 12	96	3	0 - 16
Neuropsychiatric/Sensory Disease	68	0	0 - 12	161	2	0 - 11
Urologic Disease	52	0	0 - 28	29	3	0 - 54

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	118
Occupancy Rate (%):	60
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	180
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	87
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY ROSARY HOSPITAL

351 SW NINTH STREET
ONTARIO, MALHEUR (COUNTY)., OR 97914

Medicare Hospital Provider Number: 380052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,033	12	10 - 15	878	11	10 - 15
Cancer	36	56	26 - 60	23	65	30 - 69
Cerebrovascular Accidents	37	27	17 - 46	35	34	14 - 46
Gastrointestinal Catastrophes	18	56	18 - 64	13	23	13 - 61
Infectious Disease	5	40	9 - 80	7	14	9 - 66
Metabolic/Electrolyte Disorders	14	7	8 - 46	18	22	4 - 49
Pulmonary Disease	65	18	17 - 39	40	20	13 - 40
Renal Failure	2	50	6 - 95	3	67	7 - 89
Severe Acute Heart Disease	52	38	24 - 51	40	27	28 - 57
Severe Chronic Heart Disease	50	24	13 - 37	36	22	12 - 40
Severe Trauma	0	-	-	2	0	3 - 88
Gastrointestinal Disease	73	3	1 - 13	66	6	1 - 17
Gynecologic Disease	10	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	115	3	1 - 10	77	1	2 - 10
Musculoskeletal/Skin Conditions	115	1	1 - 7	101	0	1 - 6
Neuropsychiatric/Sensory Disease	20	5	0 - 76	27	0	0 - 32
Urologic Disease	98	1	0 - 10	61	2	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	74
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	66
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY ROSARY
MEDICAL CENTER
351 S.W. NINTH STREET ONTARIO, OR 97914 (503) 889-5331

October 17, 1988

Health Standards and Quality Bureau
Health Care Financing Administration
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

This letter is in response to Medicare hospital mortality information on Holy Rosary Medical Center (Holy rosary Hospital), Ontario, Oregon as mailed to this institution with a cover letter dated September 15, 1988. Please be advised that some information displayed in the "Hospital Characteristics" section of this report is incorrect as follows:

1. Number of beds listed should be 77 instead of 54.

2. Percent of Board certified specialists should be 62% not 31%.

3. Registered nurses per bed should be 1.16 not 1.26.

4. The hospital has a Coronary Care Unit and this should be indicated with a "yes" instead of a "no".

Please correct your report according to the above information. Thank you for the opportunity to review and comment.

Cordially yours,

David Goode

David J. Goode
President

DJG/lh

HOOD RIVER MEMORIAL HOSPITAL

13TH & MAY STREETS (PO BOX 149
HOOD RIVER, OR 97031

Medicare Hospital Provider Number: 380006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	341	13	9 - 17	291	10	9 - 17
Cancer	6	67	11 - 77	9	78	22 - 75
Cerebrovascular Accidents	18	44	16 - 59	21	29	14 - 53
Gastrointestinal Catastrophes	3	33	8 - 89	4	0	10 - 74
Infectious Disease	1	0	1 - 97	1	0	1 - 97
Metabolic/Electrolyte Disorders	7	0	7 - 55	5	20	1 - 80
Pulmonary Disease	25	4	14 - 37	21	24	11 - 49
Renal Failure	2	50	7 - 97	1	100	0 - 98
Severe Acute Heart Disease	22	32	20 - 59	12	25	13 - 61
Severe Chronic Heart Disease	22	27	7 - 45	10	20	6 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	0	0 - 35	25	0	1 - 21
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	38	5	0 - 35	28	0	0 - 23
Musculoskeletal/Skin Conditions	23	0	0 - 79	37	0	0 - 29
Neuropsychiatric/Sensory Disease	10	10	0 - 95	17	0	0 - 72
Urologic Disease	20	0	0 - 99	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	24
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOSEPHINE MEMORIAL HOSPITAL

715 N W DIMMICK
GRANTS PASS, OR 97526

Medicare Hospital Provider Number: 380002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	765	14	8 - 14	656	15	8 - 15
Cancer	17	53	17 - 63	27	56	23 - 61
Cerebrovascular Accidents	39	23	14 - 42	21	38	9 - 50
Gastrointestinal Catastrophes	8	25	8 - 67	4	0	3 - 71
Infectious Disease	3	33	3 - 86	3	33	4 - 86
Metabolic/Electrolyte Disorders	7	43	7 - 72	9	56	4 - 67
Pulmonary Disease	34	38	10 - 44	34	24	14 - 45
Renal Failure	1	0	1 - 97	0	-	-
Severe Acute Heart Disease	39	56	22 - 54	29	31	22 - 57
Severe Chronic Heart Disease	34	29	9 - 41	26	35	10 - 47
Severe Trauma	0	-	-	3	33	6 - 88
Gastrointestinal Disease	64	0	1 - 9	47	4	0 - 41
Gynecologic Disease	11	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	71	7	1 - 18	74	8	0 - 24
Musculoskeletal/Skin Conditions	83	2	0 - 24	79	5	0 - 33
Neuropsychiatric/Sensory Disease	18	0	0 - 92	26	0	0 - 43
Urologic Disease	67	4	0 - 39	33	0	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	81
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	60
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	57
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KAISER SUNNYSIDE MEDICAL CENTER

10180 S E SUNNYSIDE ROAD
CLACKAMAS, OR 97015

Medicare Hospital Provider Number: 380091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,407	10	9 - 13	2,383	10	9 - 14
Cancer	84	33	25 - 49	80	31	26 - 50
Cerebrovascular Accidents	122	25	18 - 35	128	18	18 - 34
Gastrointestinal Catastrophes	17	35	15 - 61	25	24	18 - 55
Infectious Disease	25	32	17 - 55	35	29	18 - 52
Metabolic/Electrolyte Disorders	32	19	13 - 46	30	40	9 - 47
Pulmonary Disease	101	20	18 - 37	98	18	19 - 37
Renal Failure	11	45	13 - 75	11	18	17 - 75
Severe Acute Heart Disease	103	28	26 - 46	89	26	26 - 47
Severe Chronic Heart Disease	97	26	14 - 33	99	25	17 - 36
Severe Trauma	7	0	8 - 56	2	0	2 - 89
Gastrointestinal Disease	156	6	1 - 11	121	5	0 - 13
Gynecologic Disease	26	0	0 -100	32	0	0 -100
Low-Risk Heart Disease	302	2	2 - 6	265	4	1 - 7
Musculoskeletal/Skin Conditions	229	1	1 - 5	236	1	1 - 5
Neuropsychiatric/Sensory Disease	49	4	0 - 25	70	7	0 - 31
Urologic Disease	120	4	0 - 20	124	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	144
Occupancy Rate (%):	86
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	151
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	18
Registered Nurses:	213
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

KAISER PERMANENTE

Bess Kaiser Medical Center, 38-0055
Kaiser Sunnyside Medical Center, 38-0091

October 21, 1988

William L. Roper, M.D.
Administrator
Department of Health & Human Services
Health Care Financing Administration
Washington, D.C. 20201

Re: Comments on 1987 HCFA Mortality Data

Dear Dr. Roper:

Kaiser Permanente, Northwest Region, has a substantial and continuing involvement in the development and use of methods to adequately risk adjust outcomes of hospital care. Although we support the concept of providing consumers with information on this subject, the 1987 Medicare hospital mortality statistics are of limited value for this purpose. Despite some further improvements in the methods used to prepare these statistics, many problems remain.

One serious error in the HCFA mortality models is the failure to adjust for the diverse mortality rates of the principal diagnoses within a given diagnostic category. For example, "Severe Acute Heart Disease" includes both subendocardial infarcts and ruptured aortic aneurysms. The death rates for the latter typically average five times those for the former; nothing in the model adjusts for the mix of these cases by hospital.

The "Severe Trauma" category includes injuries which vary considerably in their death rates. Using chronic disease comorbidities is of little value. It would have been far more appropriate to use various trauma-related diagnoses as risk predictors.

The "Cancer" diagnostic category is one of the most problematic. The stage of malignancy is a key prognostic risk factor, but HCFA uses none of the codes in its model which would help to distinguish stage. The risk model should favor cancer cases having scheduled surgery. HCFA has failed once again to omit cancer cases hospitalized in hospice services which have not sought Medicare approval. (Regulations require that a hospital bill be submitted for such cases even though no charges are made to Medicare.) Several Kaiser Foundation Hospitals with such hospice services had substantial numbers of these hospice cases included, with predictably high death rates.

Based on the binomial distribution, a 100% mortality rate can occur by chance over 2.5% of the time when a hospital has 1 or 2 cases in a diagnostic category with an expected probability of death of 20% (e.g., Severe Trauma) or has 1 to 4 cases in a category with an expected death rate of 40% (e.g., Renal Failure). Hospital deaths in these categories which exceed their predicted mortality range raise questions about HCFA's statistical tests.

We were unable to confirm any of the "Hospital Characteristics" reported for Kaiser Foundation Hospitals. Discussions with staff of the American Hospital Association have revealed that HCFA made numerous errors when cross-tabulating the Association's survey data (e.g., using imputed instead of reported values for the "percent of physicians who are Board Certified specialists"). For this reason there is little sense in preparing detailed revisions of these faulty data, which we assume will be corrected by HCFA at some future date.

Sincerely,

Theodore M Carpenter

Theodore M. Carpenter
Vice President and Associate Regional Manager

TMC:am

LAKE DISTRICT HOSPITAL

700 SOUTH 'J' ST., P.O. BOX 95
LAKEVIEW (LAKE COUNTY),, OR 97630

Medicare Hospital Provider Number: 380088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	15	6 - 22	85	11	6 - 21
Cancer	1	100	2 -100	2	50	1 - 92
Cerebrovascular Accidents	0	-	-	4	25	2 - 80
Gastrointestinal Catastrophes	2	0	1 - 91	0	-	-
Infectious Disease	2	50	5 - 93	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	0	0 - 99	8	0	3 - 50
Pulmonary Disease	10	20	3 - 58	5	0	3 - 64
Renal Failure	4	75	8 - 84	1	100	2 - 97
Severe Acute Heart Disease	3	67	5 - 86	4	25	10 - 83
Severe Chronic Heart Disease	5	40	4 - 77	6	17	3 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 82	12	0	0 -100
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	7	14	0 -100	4	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	8	0	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 -100	5	20	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	41
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEBANON COMMUNITY HOSPITAL

525 NORTH SANTIAM HIGHWAY
LEBANON, OR 97355

Medicare Hospital Provider Number: 380008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	929	11	10 - 16	718	11	10 - 15
Cancer	22	50	26 - 68	11	55	10 - 65
Cerebrovascular Accidents	43	28	15 - 42	34	26	14 - 45
Gastrointestinal Catastrophes	8	38	6 - 69	7	29	8 - 71
Infectious Disease	6	17	9 - 71	6	17	5 - 69
Metabolic/Electrolyte Disorders	16	13	12 - 51	10	10	16 - 62
Pulmonary Disease	53	26	14 - 40	31	23	14 - 46
Renal Failure	3	67	6 - 89	1	100	3 - 99
Severe Acute Heart Disease	48	25	26 - 53	41	46	24 - 55
Severe Chronic Heart Disease	48	27	13 - 39	36	14	14 - 38
Severe Trauma	1	100	0 - 97	0	-	-
Gastrointestinal Disease	69	4	1 - 16	59	2	1 - 13
Gynecologic Disease	14	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	114	2	2 - 8	88	2	1 - 10
Musculoskeletal/Skin Conditions	61	3	0 - 18	49	0	1 - 12
Neuropsychiatric/Sensory Disease	16	0	0 - 90	17	0	0 - 96
Urologic Disease	40	2	0 - 32	33	3	0 - 43

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	46
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Lebanon Community Hospital
Lebanon, Oregon

Provider Number: 38-0008

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

LOWER UMPQUA HOSPITAL

600 RANCH ROAD (P O BOX 6)
REEDSPORT, OR 97467

Medicare Hospital Provider Number: 380065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	16	6 - 19	111	23	6 - 23
Cancer	3	67	4 - 86	5	80	10 - 77
Cerebrovascular Accidents	4	50	2 - 83	8	63	8 - 69
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	2	50	1 - 94	2	0	4 - 88
Metabolic/Electrolyte Disorders	4	0	2 - 73	3	33	2 - 86
Pulmonary Disease	4	50	3 - 82	6	17	7 - 69
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	9	44	12 - 70	3	67	4 - 86
Severe Chronic Heart Disease	4	50	5 - 82	7	29	1 - 72
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	10	0 - 96	9	0	0 -100
Gynecologic Disease	1	100	0 -100	0	-	-
Low-Risk Heart Disease	15	7	0 - 61	8	0	0 -100
Musculoskeletal/Skin Conditions	17	6	0 - 99	9	0	0 - 99
Neuropsychiatric/Sensory Disease	5	20	0 -100	5	20	0 -100
Urologic Disease	6	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	60
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MALHEUR MEMORIAL HOSPITAL

1109 PARK AVENUE
NYSSA, OR 97913

Medicare Hospital Provider Number: 380044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	84	14	9 - 25	78	21	7 - 26
Cancer	0	-	-	2	100	3 - 88
Cerebrovascular Accidents	3	33	5 - 86	3	0	2 - 79
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	6 - 90	2	0	8 - 92
Metabolic/Electrolyte Disorders	2	0	0 - 98	5	20	1 - 77
Pulmonary Disease	12	17	6 - 53	8	13	2 - 61
Renal Failure	2	100	7 - 91	0	-	-
Severe Acute Heart Disease	2	100	9 - 92	6	83	12 - 73
Severe Chronic Heart Disease	7	14	6 - 63	5	20	5 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	0	1 - 40	7	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	7	0	0 -100	8	0	0 - 99
Musculoskeletal/Skin Conditions	4	25	0 -100	8	13	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	0	-	-
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	60
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MCKENZIE-WILLAMETTE MEMORIAL HOSPITA

1460 'G' STREET
SPRINGFIELD, OR 97477

Medicare Hospital Provider Number: 380020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,252	11	9 - 13	888	12	9 - 14
Cancer	46	39	26 - 57	31	35	22 - 57
Cerebrovascular Accidents	43	21	17 - 43	40	35	15 - 45
Gastrointestinal Catastrophes	13	8	16 - 55	12	42	8 - 63
Infectious Disease	9	0	14 - 53	17	29	14 - 58
Metabolic/Electrolyte Disorders	30	17	12 - 44	18	17	8 - 48
Pulmonary Disease	44	20	14 - 40	41	27	10 - 40
Renal Failure	5	40	6 - 81	4	50	10 - 88
Severe Acute Heart Disease	43	53	21 - 52	23	35	20 - 58
Severe Chronic Heart Disease	51	20	11 - 34	30	10	8 - 33
Severe Trauma	3	100	8 - 81	2	0	0 - 93
Gastrointestinal Disease	97	1	1 - 8	61	3	1 - 15
Gynecologic Disease	27	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	111	5	1 - 11	92	1	2 - 9
Musculoskeletal/Skin Conditions	154	2	1 - 7	89	4	0 - 15
Neuropsychiatric/Sensory Disease	21	5	0 - 93	21	5	0 - 69
Urologic Disease	82	0	0 - 8	62	5	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	80
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	95
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

McKenzie-Willamette
Hospital
1460 "G" Street
Springfield, OR 97477-4197
(503) 726-4400

October 19, 1988

William Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
6325 Security Blvd.
Baltimore, MD 21207

Re: McKenzie-Willamette Hospital Mortality Information
Medicare Provider Number 38-0020

Dear Dr. Roper:

We have reviewed the mortality information specific to McKenzie-Willamette Hospital provided by the Health Care Financing Administration and welcome the opportunity to comment prior to its publication in December.

Verification of Data:

> Verification of the information provided revealed no material errors. HCFA data lists a total of 141 Medicare patients admitted to our hospital expired within thirty days of admission. Of these, 105 expired while still a patient of the hospital and 36 expired after discharge.
>
> We count all hospital admissions for Medicare patients. HCFA includes only the last hospital admission of Medicare patients during the calendar year. Therefore this data cannot be verified. Our records show 1770 Medicare admissions for 1987.

Comments:

Although McKenzie-Willamette is within the HCFA predicted mortality rates in nearly all diagnostic categories, we feel it is important to comment on several area of concern.

> Mortality rates have a limited use as an indicator of quality of care. Hospital deaths are automatically reviewed as part of our quality assurance process. This is only one of a number of parameters reviewed.
>
> HCFA mortality rates are based on limited data. They deal only with the Medicare population. They are based on the

admitting diagnosis, which may not be the actual cause of death and they do not include other factors, such as severity of illness.

Inclusion of deaths that occur within thirty days of discharge may result in attributing deaths that are unrelated to their prior hospitalization.

Sincerely,

W. Stewart Tittle
Administrator

MCMINNVILLE COMMUNITY HOSPITAL

603 S BAKER ST
MCMINNVILLE, OR 97128

Medicare Hospital Provider Number: 380071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	606	11	8 - 14	626	10	9 - 15
Cancer	5	20	5 - 74	7	29	9 - 71
Cerebrovascular Accidents	21	29	12 - 51	22	45	17 - 57
Gastrointestinal Catastrophes	6	33	7 - 74	2	0	4 - 89
Infectious Disease	5	40	8 - 79	4	50	5 - 82
Metabolic/Electrolyte Disorders	15	20	7 - 52	17	6	7 - 41
Pulmonary Disease	30	20	11 - 42	30	27	11 - 45
Renal Failure	1	0	3 - 98	3	67	10 - 92
Severe Acute Heart Disease	30	50	22 - 57	42	26	23 - 51
Severe Chronic Heart Disease	28	32	9 - 44	29	24	10 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	43	7	0 - 32	47	4	0 - 25
Gynecologic Disease	12	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	54	4	0 - 20	73	3	1 - 12
Musculoskeletal/Skin Conditions	69	3	0 - 17	45	0	0 - 20
Neuropsychiatric/Sensory Disease	34	0	0 - 30	32	3	0 - 58
Urologic Disease	44	2	0 - 55	38	3	0 - 64

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	36
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEDICAL CENTER HOSPITAL

511 SW 10TH AVENUE
PORTLAND, OR 97205

Medicare Hospital Provider Number: 380030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	32	0	0 - 32	33	0	0 - 23
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	1	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	31	0	0 - 34	31	0	0 - 25
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

MERCY FOREST GLEN HOSPITAL

495 SW FIRST ST
CANYONVILLE, OR 97417

Medicare Hospital Provider Number: 380059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	111	10	11 - 23	106	7	8 - 19
Cancer	4	50	11 - 87	1	0	3 - 98
Cerebrovascular Accidents	4	25	2 - 80	6	0	9 - 59
Gastrointestinal Catastrophes	1	100	0 - 97	0	-	-
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	0	1 - 97	1	0	0 - 99
Pulmonary Disease	12	0	15 - 45	8	0	5 - 48
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	9	11	22 - 69	7	57	17 - 80
Severe Chronic Heart Disease	5	0	6 - 63	3	0	1 - 83
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	14	0	0 - 87	16	0	0 - 85
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	16	6	0 - 74	20	0	0 - 37
Musculoskeletal/Skin Conditions	9	22	0 - 90	5	0	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 - 82	2	0	0 -100
Urologic Disease	3	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	23
Occupancy Rate (%):	26
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Mercy Forest Glen Hospital
Canyonville, Oregon

Provider Number: 38-0059

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

MERCY MEDICAL CENTER INC

2700 STEWART PARKWAY
ROSEBURG, OR 97470

Medicare Hospital Provider Number: 380027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,119	11	10 - 15	997	9	9 - 14
Cancer	42	38	32 - 64	29	48	26 - 63
Cerebrovascular Accidents	38	32	15 - 45	32	19	15 - 44
Gastrointestinal Catastrophes	15	13	13 - 53	6	50	8 - 77
Infectious Disease	16	31	14 - 60	14	14	14 - 56
Metabolic/Electrolyte Disorders	18	28	10 - 54	20	20	7 - 47
Pulmonary Disease	61	23	13 - 36	39	23	15 - 43
Renal Failure	5	0	10 - 73	4	50	13 - 91
Severe Acute Heart Disease	36	31	21 - 52	32	28	20 - 52
Severe Chronic Heart Disease	45	24	11 - 37	46	17	12 - 35
Severe Trauma	0	-	-	3	33	8 - 89
Gastrointestinal Disease	89	2	1 - 10	80	1	1 - 10
Gynecologic Disease	30	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	126	3	2 - 9	144	6	1 - 11
Musculoskeletal/Skin Conditions	110	2	1 - 9	83	0	1 - 7
Neuropsychiatric/Sensory Disease	35	0	0 - 22	37	0	1 - 14
Urologic Disease	47	0	0 - 32	44	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	111
Occupancy Rate (%):	58
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	91
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	131
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERIDIAN PARK HOSPITAL

19300 SW 65TH AVENUE
TUALATIN, OR 97062

Medicare Hospital Provider Number: 380089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,615	14	11 - 16	1,294	13	10 - 15
Cancer	72	50	31 - 57	66	53	33 - 60
Cerebrovascular Accidents	93	30	19 - 40	60	23	16 - 39
Gastrointestinal Catastrophes	21	29	16 - 57	18	44	13 - 59
Infectious Disease	17	29	14 - 58	7	43	10 - 74
Metabolic/Electrolyte Disorders	22	27	11 - 51	7	29	5 - 69
Pulmonary Disease	79	32	17 - 40	57	21	11 - 35
Renal Failure	7	43	15 - 84	1	100	0 - 99
Severe Acute Heart Disease	64	34	28 - 53	56	38	27 - 54
Severe Chronic Heart Disease	56	36	16 - 42	60	15	16 - 36
Severe Trauma	4	25	3 - 80	3	33	2 - 86
Gastrointestinal Disease	102	5	1 - 13	110	8	1 - 16
Gynecologic Disease	25	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	159	6	1 - 10	117	5	1 - 12
Musculoskeletal/Skin Conditions	170	1	1 - 6	139	2	1 - 8
Neuropsychiatric/Sensory Disease	33	6	0 - 67	32	9	0 - 76
Urologic Disease	62	0	0 - 12	49	2	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	150
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	161
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	181
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERLE WEST MEDICAL CENTER

2865 DAGGETT
KLAMATH FALLS, OR 97601

Medicare Hospital Provider Number: 380050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,427	11	9 - 13	1,255	11	8 - 13
Cancer	48	33	26 - 55	45	40	24 - 55
Cerebrovascular Accidents	65	29	16 - 40	40	35	14 - 44
Gastrointestinal Catastrophes	15	40	11 - 61	11	18	17 - 66
Infectious Disease	11	27	15 - 67	9	22	9 - 64
Metabolic/Electrolyte Disorders	25	32	7 - 48	19	5	11 - 42
Pulmonary Disease	89	24	14 - 34	83	18	15 - 35
Renal Failure	2	100	10 - 94	4	50	6 - 85
Severe Acute Heart Disease	47	38	22 - 51	35	37	21 - 53
Severe Chronic Heart Disease	50	26	12 - 37	42	48	14 - 45
Severe Trauma	1	0	0 - 98	5	20	9 - 77
Gastrointestinal Disease	133	3	1 - 9	98	3	1 - 12
Gynecologic Disease	24	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	132	5	1 - 10	134	5	1 - 11
Musculoskeletal/Skin Conditions	180	1	1 - 6	149	3	0 - 11
Neuropsychiatric/Sensory Disease	30	7	0 - 43	35	0	0 - 27
Urologic Disease	64	0	0 - 25	68	4	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	194
Occupancy Rate (%):	42
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	61
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	134
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

merle west medical center

david r. arnold, chief executive officer

2865 daggett street, klamath falls, oregon 97601 503/882-6311

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandarkappert
2 - D - 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare 1987 Mortality Data Release

Dear Mrs. Kappert:

Enclosed please find our hospital's comment regarding the Medicare Mortality Data. We wish to have our comments published with the statistical data due to be published in December 1988.

Sincerely,

David R. Arnold

David R. Arnold,
Chief Executive Officer

F. Geoffrey Marx, M.D.
Medicine Committee

DRA/mz

accredited • joint commission on accreditation of hospitals member • health future, inc. a consortium of independent oregon hospitals

MERLE WEST MEDICAL CENTER

Response to the Medicare Mortality Data Release.

The governing board, management and the medical staff at Merle West Medical Center are committed to providing the best patient care possible. To measure how we are are doing, each department/service performs peer review to evaluate care that was given by that particular department or service.

To accomplish this evaluation, indicators or criteria are used to trigger quality of care review. Any indication of potential quality care concerns, including a mortality rate that is higher or lower than predicted, leads to a prompt investigation. Our hospital has reviewed the cases of the medicare mortality data release in the category of renal disease.

Our review reveals the following information:

The predicted mortality rate was 10 to 94%. Our rate was 100%. There were only two cases involved. This is not a statistically significant number to really evaluate quality of care of a facility. With the two cases involved, the admission diagnosis revealed multiple, long-standing medical problems with their deaths being anticipated due to rapid deterioration present prior to hospitalization. The patients' ages were 84 and 87. The peer review process determined that on a case by case basis, these patients received appropriate treatment.

MID-COLUMBIA MEDICAL CENTER

500 19TH (AND NEVADA)
THE DALLES, OR 97058

Medicare Hospital Provider Number: 380001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	832	10	9 - 15	618	11	9 - 15
Cancer	29	48	22 - 60	18	50	19 - 64
Cerebrovascular Accidents	35	26	12 - 42	25	16	15 - 45
Gastrointestinal Catastrophes	7	43	7 - 72	4	100	14 - 78
Infectious Disease	2	0	1 - 89	11	27	11 - 63
Metabolic/Electrolyte Disorders	24	29	15 - 54	13	15	9 - 54
Pulmonary Disease	40	13	15 - 39	26	19	14 - 47
Renal Failure	2	100	9 - 93	3	33	5 - 88
Severe Acute Heart Disease	38	21	25 - 53	23	35	18 - 56
Severe Chronic Heart Disease	45	29	12 - 39	32	19	10 - 39
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	50	0	0 - 13	37	3	1 - 20
Gynecologic Disease	10	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	106	3	1 - 10	87	3	1 - 12
Musculoskeletal/Skin Conditions	82	1	0 - 11	63	2	0 - 14
Neuropsychiatric/Sensory Disease	18	6	0 - 84	23	9	0 -100
Urologic Disease	52	2	0 - 35	34	0	0 - 54

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	125
Occupancy Rate (%):	27
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	63
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MOUNT HOOD MEDICAL CENTER

24800 SE STARK STREET
GRESHAM, OR 97030

Medicare Hospital Provider Number: 380025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	759	18	9 - 16	634	15	9 - 16
Cancer	11	73	19 - 70	18	50	21 - 66
Cerebrovascular Accidents	41	32	14 - 43	32	41	13 - 48
Gastrointestinal Catastrophes	4	50	3 - 82	6	17	6 - 69
Infectious Disease	8	75	12 - 70	2	0	3 - 88
Metabolic/Electrolyte Disorders	31	13	10 - 41	11	27	3 - 60
Pulmonary Disease	39	44	10 - 43	27	19	17 - 48
Renal Failure	3	67	12 - 95	5	60	15 - 90
Severe Acute Heart Disease	44	55	22 - 52	34	47	23 - 56
Severe Chronic Heart Disease	47	32	11 - 39	39	28	11 - 40
Severe Trauma	3	0	3 - 79	7	43	4 - 72
Gastrointestinal Disease	52	0	1 - 10	46	4	0 - 31
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	55	11	0 - 32	60	2	1 - 13
Musculoskeletal/Skin Conditions	64	3	0 - 28	54	2	0 - 25
Neuropsychiatric/Sensory Disease	15	0	0 - 98	18	0	0 - 95
Urologic Disease	36	3	0 - 51	34	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	77
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	108
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

healthlink
MOUNT HOOD MEDICAL CENTER
24800 S.E. Stark • Gresham, OR 97030-015
Phone 503/667-112

October 19, 1988

William L. Roper; M.D. and
Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper and Ms. Kappert:

We have received the HCFA Medicare mortality statistics for 1987, and welcome the opportunity to convey our thoughts regarding this data.

It is noted, with appreciation, that HCFA will publicly stress that mortality information alone is not a complete measure of the quality of care of any individual hospital. HCFA has also pointed out that until additional statistical measures are developed to deal with complex issues such as severity of illness it does not recommend that mortality information be used to make judgements or draw conclusions about any singular hospital, or make comparisons to other area hospitals.

We fully agree with HCFA's position in this regard, and encourage members of the media and consumers to take note. I would also like to make a few additional observations for our consumer's benefit.

It is important to point out that the diagnostic category into which the patient is assigned does not necessarily reflect the true cause of the patient's mortality. Comorbid conditions are quite frequently present. Second, higher mortality rates are produced due to the methodology of counting only the last patient admission, therefore omitting the previous admissions of these patients and their earlier treatment success. Additionally, basing the mortality rate on patients who expired within 30 days of discharge does not accurately reflect the hospital's true mortality rate since 27 percent of the patients included in your data expired post-discharge in nursing homes or other care facilities. Another factor that increases the mortality total is the high number of "do not resusitate" requests asked for by family members and agreed to by the physician when a patient's death is anticipated.

Further, Mount Hood Medical Center has an emergency room that is busier than emergency departments in hospitals twice our size. A high percentage of total beds are occupied by patients admitted through the emergency room, hence a higher case severity.

Lastly, the methods used to set a predicted range of mortality are less favorable for hospitals with fewer beds. You acknowledge in your comments that the fewer number of cases included in a given diagnostic category, the greater the uncertainty of the expected mortality range. As an example, with only eight Medicare cases in the infectious disease category, predicting an accurate mortality range is quite difficult. With these points made, I feel those who look at the current statistics for Mount Hood Medical Center can better understand the limited scope of this data and the absence of important variables in its calculation.

Providing this HCFA mortality data does serve to reinforce our ongoing peer review and quality assurance programs. Further, it serves as a catalyst to search for methods to strengthen quality measurement procedures.

The medical records of every patient who expired in our facility are reviewed according to the American Hospital Association established criteria. The results have shown no questionable treatment or lapse of quality.

At Mount Hood Medical Center, quality healthcare with dignity is at the root of our mission. We are committed to our patients. With that commitment comes aggressive plans to implement a severity of illness system internally. Also, our hospital has now entered into a study being conducted by the Maryland Hospital Association in which 10 quality indicators will be compared against 125 hospitals in 21 states.

We welcome the results, to either confirm that our patient quality is at its height, or to extract information that can help to make Mount Hood Medical Center even better.

Thank you for the opportunity to respond.

Sincerely,

Mark Folger

Mark W. Folger
Administrator

MWF:mel

MOUNTAIN VIEW HOSPITAL

1270 'A' ST
MADRAS, OR 97741

Medicare Hospital Provider Number: 380081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	156	13	9 - 20	149	15	6 - 18
Cancer	2	50	2 - 92	2	50	8 - 98
Cerebrovascular Accidents	4	25	5 - 80	4	75	4 - 80
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 98	3	67	5 - 87
Metabolic/Electrolyte Disorders	7	43	9 - 74	1	0	0 - 99
Pulmonary Disease	15	33	14 - 60	14	29	3 - 55
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	33	14 - 80	2	0	6 - 90
Severe Chronic Heart Disease	6	0	3 - 58	7	14	4 - 63
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	6	0 - 52	9	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	13	0	0 - 74	12	8	0 - 86
Musculoskeletal/Skin Conditions	19	0	0 - 58	24	8	0 - 77
Neuropsychiatric/Sensory Disease	13	8	0 - 90	8	13	0 -100
Urologic Disease	2	0	0 -100	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	104
Occupancy Rate (%):	67
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Serving Central Oregon Health Care Needs

Mountain View
Hospital & Nursing Home

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs Kappert:

I would like to take this opportunity to respond to the Medicare Hospital Mortality Report on behalf of the Mountain View Hospital District in Madras, Oregon (Hospital ID:380081).

We have reviewed the statistics in the report and although they are technically correct, I think a distorted view of this facility is presented without further investigation into some of these deaths.

There were two significant categories that affected the number of deaths within 30 days of admission to this facility. The first category contains patients that were at the end stage of their disease. There were four (4) deaths in this group whose average length of stay was only three (3) days. These were patients that were admitted to the hospital to expire in as much comfort and dignity as possible. The second group has patients that had directed either through a living will or through directions from family that no heroic measures were to be used to sustain life. There were eight (8) of these patients.

Although these raw numbers are relatively small, they have a significant impact on the statistics of this facility.

I believe that when a statistical picture of a hospital is presented without explanation, categories, such as those I have illustrated, must also be identified in order that an accurate assessment of a facility can be determined. I would hope that these numbers would be considered now and in the future.

Thank you for the opportunity to comment on this report.

Sincerely,

Ronald w. Barnes
Executive Director

1270 A Street · Madras, Oregon 97741 · (503) 475-3882

NEWBERG COMMUNITY HOSPITAL

501 VILLA ROAD
NEWBERG, OR 97132

Medicare Hospital Provider Number: 380037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	407	11	9 - 16	346	13	10 - 18
Cancer	8	75	14 - 71	8	63	22 - 82
Cerebrovascular Accidents	9	33	6 - 64	12	25	11 - 59
Gastrointestinal Catastrophes	0	-	-	4	25	12 - 85
Infectious Disease	8	25	5 - 65	3	33	7 - 88
Metabolic/Electrolyte Disorders	12	8	12 - 53	8	13	2 - 62
Pulmonary Disease	29	14	18 - 46	28	14	12 - 41
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	18	56	21 - 65	18	61	24 - 67
Severe Chronic Heart Disease	20	20	7 - 45	19	21	6 - 45
Severe Trauma	2	0	0 - 94	0	-	-
Gastrointestinal Disease	39	0	1 - 15	18	6	1 - 39
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	59	7	1 - 21	59	7	0 - 26
Musculoskeletal/Skin Conditions	37	0	0 - 23	34	3	0 - 48
Neuropsychiatric/Sensory Disease	9	0	0 - 98	6	17	0 - 96
Urologic Disease	15	7	0 - 96	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	41
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	49
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH LINCOLN HOSPITAL

3043 N.E. PARK DRIVE (PO BOX 7
LINCOLN CITY, OR 97367

Medicare Hospital Provider Number: 380083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	394	17	10 - 18	335	12	9 - 17
Cancer	14	71	22 - 68	12	58	21 - 73
Cerebrovascular Accidents	14	29	8 - 55	11	36	9 - 63
Gastrointestinal Catastrophes	3	33	2 - 86	3	33	7 - 88
Infectious Disease	6	50	10 - 78	2	0	1 - 90
Metabolic/Electrolyte Disorders	3	0	2 - 80	1	0	0 -100
Pulmonary Disease	36	19	10 - 39	25	16	11 - 43
Renal Failure	1	100	2 - 97	1	0	2 - 97
Severe Acute Heart Disease	25	48	21 - 59	21	24	22 - 59
Severe Chronic Heart Disease	29	28	8 - 42	22	14	7 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	1 - 23	30	7	0 - 61
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	36	11	0 - 56	24	8	0 - 58
Musculoskeletal/Skin Conditions	42	2	0 - 45	37	0	0 - 32
Neuropsychiatric/Sensory Disease	8	13	0 - 97	9	0	0 -100
Urologic Disease	10	0	0 - 96	7	14	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	28
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

OREGON HEALTH SCIENCES UNIV HOSPITAL

3181 SW SAM JACKSON PARK RD
PORTLAND, OR 97201

Medicare Hospital Provider Number: 380009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,717	8	8 - 12	1,489	7	7 - 11
Cancer	66	20	27 - 50	65	23	30 - 54
Cerebrovascular Accidents	24	17	12 - 44	24	21	11 - 45
Gastrointestinal Catastrophes	19	53	15 - 61	5	40	4 - 78
Infectious Disease	21	38	12 - 55	9	44	7 - 67
Metabolic/Electrolyte Disorders	14	29	9 - 58	16	19	8 - 51
Pulmonary Disease	35	23	14 - 43	25	24	14 - 49
Renal Failure	18	11	5 - 57	6	33	0 - 86
Severe Acute Heart Disease	56	34	25 - 51	22	18	21 - 55
Severe Chronic Heart Disease	40	22	12 - 39	31	16	11 - 39
Severe Trauma	3	33	2 - 87	1	100	1 - 97
Gastrointestinal Disease	43	0	0 - 14	32	3	0 - 30
Gynecologic Disease	15	0	0 -100	11	18	0 - 86
Low-Risk Heart Disease	130	4	1 - 10	134	4	2 - 10
Musculoskeletal/Skin Conditions	88	6	0 - 24	88	1	1 - 9
Neuropsychiatric/Sensory Disease	316	0	1 - 5	295	1	1 - 5
Urologic Disease	55	2	0 - 32	43	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 324
Occupancy Rate (%): 76
Ownership/Control: State Government

STAFFING

Total Number of Physicians: 358
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

PACIFIC COMMUNITIES HOSPITAL

721 SW NINTH
NEWPORT, OR 97365

Medicare Hospital Provider Number: 380003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	420	18	11 - 19	384	14	9 - 17
Cancer	10	50	19 - 75	10	50	18 - 74
Cerebrovascular Accidents	22	36	8 - 48	10	10	12 - 57
Gastrointestinal Catastrophes	4	25	3 - 80	5	40	12 - 83
Infectious Disease	9	22	12 - 67	5	0	7 - 65
Metabolic/Electrolyte Disorders	9	33	6 - 66	10	30	4 - 62
Pulmonary Disease	38	39	15 - 47	25	16	8 - 41
Renal Failure	2	100	11 - 97	1	100	3 - 99
Severe Acute Heart Disease	27	30	24 - 59	26	42	20 - 57
Severe Chronic Heart Disease	32	38	8 - 43	22	18	8 - 43
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	26	4	0 - 38	34	3	0 - 46
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	49	4	0 - 24	45	7	0 - 32
Musculoskeletal/Skin Conditions	38	5	0 - 47	39	5	0 - 44
Neuropsychiatric/Sensory Disease	5	60	0 - 98	7	0	0 -100
Urologic Disease	20	5	0 -100	8	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 48
Occupancy Rate (%): 35
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 32
Percent of Physicians Who Are Board Certified Specialists: 66
Interns and Residents: 0
Registered Nurses: 53
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PIONEER MEMORIAL HOSPITAL

1201 N ELM STREET
PRINEVILLE, OR 97754

Medicare Hospital Provider Number: 380019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	224	14	7 - 17	209	13	8 - 18
Cancer	6	17	11 - 72	4	0	10 - 73
Cerebrovascular Accidents	19	42	8 - 52	10	30	9 - 63
Gastrointestinal Catastrophes	1	100	2 - 97	3	67	2 - 86
Infectious Disease	0	-	-	3	67	5 - 86
Metabolic/Electrolyte Disorders	4	0	1 - 81	1	0	0 -100
Pulmonary Disease	19	21	6 - 46	21	14	10 - 44
Renal Failure	0	-	-	1	100	0 - 99
Severe Acute Heart Disease	8	25	21 - 78	8	63	9 - 70
Severe Chronic Heart Disease	8	13	4 - 59	10	0	11 - 45
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	34	6	0 - 57	23	4	0 - 74
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	17	6	0 - 48	30	3	0 - 33
Musculoskeletal/Skin Conditions	16	0	0 - 94	9	11	0 -100
Neuropsychiatric/Sensory Disease	4	25	0 -100	2	50	0 -100
Urologic Disease	8	0	0 - 83	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 31
Occupancy Rate (%): 23
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: 75
Interns and Residents: 0
Registered Nurses: 12
Licensed Practical Nurses: 2

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PIONEER MEMORIAL HOSPITAL

564 E. PIONEER DRIVE
HEPPNER, OR 97836

Medicare Hospital Provider Number: 380062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	57	14	8 - 27	43	7	4 - 22
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	3	0	5 - 79	0	-	-
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	10	20	5 - 58	2	0	0 - 95
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	5	0	18 - 73	4	25	9 - 82
Severe Chronic Heart Disease	3	33	1 - 87	3	0	2 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	50	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 - 90	3	0	0 -100
Musculoskeletal/Skin Conditions	9	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 - 99	3	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

PORTLAND ADVENTIST MEDICAL CENTER

10123 SE MARKET
PORTLAND, OR 97216

Medicare Hospital Provider Number: 380060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,728	13	9 - 14	1,531	11	9 - 13
Cancer	57	28	27 - 54	52	27	22 - 50
Cerebrovascular Accidents	63	35	16 - 41	61	21	18 - 40
Gastrointestinal Catastrophes	26	35	16 - 55	11	27	12 - 64
Infectious Disease	14	36	13 - 62	12	50	13 - 66
Metabolic/Electrolyte Disorders	27	41	14 - 53	12	0	7 - 41
Pulmonary Disease	83	28	14 - 36	78	27	17 - 39
Renal Failure	4	50	8 - 87	7	43	8 - 78
Severe Acute Heart Disease	68	53	27 - 52	69	49	26 - 51
Severe Chronic Heart Disease	63	22	12 - 34	56	16	14 - 35
Severe Trauma	6	0	12 - 63	5	0	5 - 65
Gastrointestinal Disease	119	3	0 - 11	102	5	0 - 15
Gynecologic Disease	25	0	0 -100	40	0	0 -100
Low-Risk Heart Disease	160	6	1 - 11	124	3	1 - 10
Musculoskeletal/Skin Conditions	219	2	1 - 6	211	2	0 - 7
Neuropsychiatric/Sensory Disease	55	4	0 - 23	31	0	0 - 26
Urologic Disease	81	4	0 - 18	63	0	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	257
Occupancy Rate (%):	59
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	172
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	362
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

#380060

PORTLAND ADVENTIST MEDICAL CENTER
10123 SE
MARKET STREET
PORTLAND, OREGON
97215
(503) 257-2500

October 20, 1988

William L. Roper, MD Administrator
Department of Health and Human Services
Health Care Financing Administration
Washington, D.C. 20201

RE: 1987 HCFA Mortality Rate for Portland Adventist Medical Center
Medicare Provider Number 380060

Dear Dr. Roper,

Portland Adventist Medical Center's Administration appreciates the opportunity to respond in writing to the 1987 Health Care Financing Administration's mortality rate data prior to its publication. Not only does this allow us to further clarify these percentages, but the resulting review and information supplements our existing comprehensive quality assessment process and enhances our goal of ensuring the highest quality of care possible.

In the 1987 HCFA mortality information Portland Adventist Medical Center's Actual Mortality Rate (%) was in line with all Predicted Mortality percentage except for the one area, in which we were one percent above predicted, of severe acute heart disease. Therefore, in this document we will focus on this one diagnostic category.

After extensive review, by our Quality Assessment Coordinator and Chair of the Medical Quality Assessment Committee, of the 36 medical records (53% of category) of the patients who expired in this diagnostic category the following is given:

A. All of the 36 patients received appropriate and medically state of the art care.

   1. Thirty-three of these patients were admitted to the Coronary Care Unit and received aggressive therapy.

   2. Two were admitted to the progressive care unit with a DNR status.

   3. One was in fact incorrectly identified as an inpatient and expired in the Emergency Room prior to admission.

A Member of Adventist Health System - West

B. One of the 2 DNR patients admitted to the progressive care unit was in route to an inpatient hospice facility with a diagnosis of metastatic cancer, and was diverted by Paramedics to Portland Adventist Medical Center. The patient expired 2 hours after admission to the hospital.

C. Eight of these 36 deaths were secondary to cardiac arrests in the field. All these patients failed to respond in the field and were subsequently supported with CPR while transported to the hospital. These eight patients had documented down times (time between arrest and initiation of CPR) of 10 to 30 minutes. Current clinical experience has shown that patients that do not respond to initial resuscitation efforts carry a grim prognosis.

In summary we would note that if we correctly reclassify the one patient who was identified as an inpatient and eliminate the patient who was infact a diversion in route to a hospice program, Portland Adventist Medical Center's actual mortality rate drops to 50%. This new percent is well within the Predicted Mortality Rate. Again thank you for an opportunity to respond to this data.

Sincerely,

Larry D. Dodds
President
Portland Adventist Medical Center

R. Manley M.D.

Robert E. Manley
President, Medical Staff

PROVIDENCE HOSPITAL

1111 CRATER LAKE AVENUE
MEDFORD, OR 97504

Medicare Hospital Provider Number: 380075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,846	11	9 - 13	1,477	9	8 - 13
Cancer	62	44	26 - 54	46	41	21 - 52
Cerebrovascular Accidents	61	28	15 - 39	74	20	17 - 37
Gastrointestinal Catastrophes	19	53	16 - 62	11	9	16 - 60
Infectious Disease	13	31	17 - 66	15	27	19 - 65
Metabolic/Electrolyte Disorders	24	13	6 - 41	29	21	9 - 44
Pulmonary Disease	79	28	15 - 37	54	11	13 - 33
Renal Failure	10	30	10 - 72	3	33	7 - 90
Severe Acute Heart Disease	76	43	29 - 53	50	24	26 - 51
Severe Chronic Heart Disease	65	22	15 - 36	39	28	15 - 44
Severe Trauma	5	20	6 - 75	2	100	1 - 90
Gastrointestinal Disease	143	3	1 - 9	101	1	1 - 8
Gynecologic Disease	15	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	146	3	1 - 8	128	2	1 - 8
Musculoskeletal/Skin Conditions	306	2	1 - 5	233	3	1 - 7
Neuropsychiatric/Sensory Disease	56	2	0 - 20	33	12	1 - 37
Urologic Disease	127	1	0 - 8	93	3	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	168
Occupancy Rate (%):	59
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	160
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	134
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE MEDICAL CENTER

4805 NE GLISAN
PORTLAND, OR 97213

Medicare Hospital Provider Number: 380061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,034	12	11 - 14	3,198	11	10 - 14
Cancer	211	40	31 - 50	128	34	29 - 51
Cerebrovascular Accidents	151	23	19 - 34	113	23	19 - 36
Gastrointestinal Catastrophes	36	33	20 - 54	37	32	21 - 55
Infectious Disease	49	27	23 - 52	42	33	23 - 55
Metabolic/Electrolyte Disorders	47	28	15 - 46	43	28	14 - 45
Pulmonary Disease	159	28	18 - 35	123	23	15 - 34
Renal Failure	20	25	20 - 72	23	26	17 - 70
Severe Acute Heart Disease	185	34	30 - 47	105	44	31 - 52
Severe Chronic Heart Disease	174	24	17 - 31	134	21	15 - 30
Severe Trauma	15	40	11 - 61	11	0	10 - 47
Gastrointestinal Disease	214	2	1 - 6	197	6	1 - 9
Gynecologic Disease	68	0	0 - 84	34	0	0 -100
Low-Risk Heart Disease	418	4	2 - 6	354	6	2 - 7
Musculoskeletal/Skin Conditions	481	2	1 - 5	340	2	1 - 5
Neuropsychiatric/Sensory Disease	112	4	1 - 12	96	2	0 - 11
Urologic Disease	204	1	0 - 8	164	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	397
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	371
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	26
Registered Nurses:	359
Licensed Practical Nurses:	56

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

PROVIDENCE MEDICAL CENTER
4805 NORTHEAST GLISAN STREET
PORTLAND, OREGON 97213-2967
PHONE: (503) 230-1111
MEDICAL STAFF OFFICE

SISTERS OF PROVIDENCE
SERVING IN THE WEST SINCE 1856

October 18, 1988

Medicare Provider #380061

Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attn: Sandra Kappert

Thank you for the opportunity to comment on the mortality information prior to publication by HCFA.

Even though Providence Medical Center is shown to be in a favorable position for both 1986 and 1987 statistics, we continue to have concerns that mortality rates are used to provide information on "quality of care" to the public. It is but one measure of quality, but one which this hospital takes very seriously, to the extent that each mortality record is reviewed and evaluated according to specific guidelines. These include an evaluation of whether the death was expected, whether there were other disease processes which prevented improvement in the patient condition and whether the "Do-Not-Resuscitate Order" was appropriately stated and administered.

The patient population included in HCFA's 1987 statistics had the following characteristics:

Average age of the patient who died inpatient was 76.

74% of the patients who died in the hospital were admitted with a "Do-Not-Resuscitate Order".

29% were admitted to the hospital for terminal care.

5% of the patients who died were transferred from another hospital.

56% of the patients had multiple co-morbid conditions.

Patients included in the mortality statistics averaged 2.3 admissions to the hospital in 1987.

Four mortality cases cited for Providence Medical Center were in error:
2 cases were reported twice
1 patient did not die within 30 days of admission
1 patient could not be found in our data base

The 1986 hospital characteristics cited are in need of updating, as follows:
Available Beds = 483
Total Number of Physicians = 625
Registered Nurses per Bed = 1.93

Other hospital service characteristics that may be helpful to the interpretation of the data are:

> Providence Medical Center has a large, well-established Oncology Service that sees the largest volume of new cancer cases in the state. In addition, we have an extraordinarily active Pulmonology Service which receives difficult respiratory referrals from all over the region.
>
> Providence has a strong Cardiovascular Disease Service which established a Heart Emergency Network to coordinate care among regional hospitals for high-risk patients involving immediate intervention to heart attack victims.
>
> Providence operates the only hospital based inpatient Hospice Program in the area. The philosophy of the Sisters of Providence is to make every effort to cure and heal the patient, but where medical treatment is no longer effective, Providence offers comfort, support and strength to assist the patient and family prepare for death.

Thank you again for the opportunity to provide written comment.

Very truly yours,

John Lee

John Lee
Administrator

JL:vk

PROVIDENCE MILWAUKIE HOSPITAL

10150 SOUTHEAST 32ND STREET
MILWAUKIE, OR 97222

Medicare Hospital Provider Number: 380082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	760	15	9 - 15	592	14	10 - 16
Cancer	13	38	13 - 63	26	62	21 - 60
Cerebrovascular Accidents	43	30	15 - 43	24	25	15 - 51
Gastrointestinal Catastrophes	4	50	7 - 84	5	40	7 - 79
Infectious Disease	13	46	15 - 66	8	25	10 - 68
Metabolic/Electrolyte Disorders	8	25	2 - 69	12	8	5 - 49
Pulmonary Disease	39	33	12 - 43	33	27	11 - 43
Renal Failure	7	57	9 - 78	0	-	-
Severe Acute Heart Disease	35	54	28 - 62	27	44	21 - 58
Severe Chronic Heart Disease	30	23	9 - 41	35	37	13 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	41	5	0 - 26	35	0	1 - 16
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	63	5	1 - 17	47	2	0 - 18
Musculoskeletal/Skin Conditions	92	2	0 - 13	74	7	0 - 35
Neuropsychiatric/Sensory Disease	19	5	0 - 98	14	0	0 - 96
Urologic Disease	41	2	0 - 69	24	4	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	50
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	69
Percent of Physicians Who Are Board Certified Specialists:	96
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ROGUE VALLEY MEDICAL CENTER

2825 BARNETT ROAD
MEDFORD, OR 97504

Medicare Hospital Provider Number: 380018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,573	12	10 - 14	2,018	11	9 - 13
Cancer	154	51	28 - 49	101	47	29 - 52
Cerebrovascular Accidents	66	23	14 - 36	57	21	14 - 37
Gastrointestinal Catastrophes	17	24	21 - 63	13	31	10 - 61
Infectious Disease	10	50	11 - 68	7	43	13 - 77
Metabolic/Electrolyte Disorders	22	32	14 - 55	19	21	15 - 55
Pulmonary Disease	73	27	15 - 38	49	27	15 - 41
Renal Failure	9	33	5 - 71	11	9	8 - 64
Severe Acute Heart Disease	138	26	26 - 43	79	30	25 - 47
Severe Chronic Heart Disease	100	23	16 - 34	89	25	13 - 33
Severe Trauma	11	18	9 - 59	9	22	7 - 64
Gastrointestinal Disease	134	2	2 - 8	115	4	1 - 12
Gynecologic Disease	23	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	478	3	2 - 6	402	2	2 - 6
Musculoskeletal/Skin Conditions	312	3	1 - 6	248	1	0 - 5
Neuropsychiatric/Sensory Disease	78	3	0 - 14	55	9	0 - 46
Urologic Disease	39	8	0 - 81	35	3	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 305
Occupancy Rate (%): 59
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 175
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 0
Registered Nurses: 342
Licensed Practical Nurses: 44

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

SACRED HEART GENERAL HOSPITAL

P.O. BOX 10905
EUGENE, OR 97440

Medicare Hospital Provider Number: 380033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,087	11	9 - 13	3,364	10	9 - 13
Cancer	130	54	29 - 51	119	34	26 - 48
Cerebrovascular Accidents	185	28	18 - 33	156	26	17 - 33
Gastrointestinal Catastrophes	28	46	18 - 57	14	43	16 - 66
Infectious Disease	24	42	21 - 62	17	35	15 - 61
Metabolic/Electrolyte Disorders	53	26	19 - 48	44	36	15 - 47
Pulmonary Disease	136	20	16 - 33	101	20	16 - 35
Renal Failure	14	50	9 - 69	12	42	8 - 70
Severe Acute Heart Disease	196	30	28 - 44	144	29	27 - 45
Severe Chronic Heart Disease	162	26	15 - 30	135	20	15 - 30
Severe Trauma	8	13	10 - 64	9	0	8 - 50
Gastrointestinal Disease	224	5	1 - 8	167	6	1 - 11
Gynecologic Disease	77	0	0 - 91	46	0	0 -100
Low-Risk Heart Disease	608	1	2 - 5	518	3	2 - 6
Musculoskeletal/Skin Conditions	483	2	1 - 5	367	2	1 - 5
Neuropsychiatric/Sensory Disease	122	7	1 - 14	109	7	0 - 19
Urologic Disease	237	1	0 - 6	173	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	399
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	315
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	410
Licensed Practical Nurses:	57

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SACRED HEART GENERAL HOSPITAL
1255 HILYARD STREET • P.O. BOX 10905 • EUGENE, OREGON 97440 • PHONE 503/686-7300

Response from: **Sacred Heart General Hospital**
Provider No. 380033

COMMENTS REGARDING

HCFA MEDICARE MORTALITY INFORMATION

Sacred Heart General Hospital, Eugene, Oregon, is a tertiary regional medical center which provides a full range of patient services, including accredited programs in Hospice care, cancer care, rehabilitation, and acute care services. In addition to the 253 general medical/surgical beds, a 26 bed intensive care/coronary care unit provides specialized care to patients. Eighty-three (83%) percent of the active/associate medical staff are Board-certified physicians.

The monitoring of quality of patient care is important and should be maintained through a peer review process utilizing a range of criteria and evaluation by peers. No independent research studies have been conducted which validate the ability of the HCFA mortality data methodology alone to detect or explain differences in quality of care. Therefore, caution should be used in interpreting mortality rate information and in using such data in evaluating quality of care.

Operated in the community interest by the Sisters of St. Joseph of Peace
Health and Hospital Services

SALEM HOSPITAL

665 WINTER STREET SE (P O BOX
SALEM, OR 97301

Medicare Hospital Provider Number: 380051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,433	14	10 - 13	3,896	12	9 - 13
Cancer	212	46	31 - 50	165	34	29 - 49
Cerebrovascular Accidents	209	27	18 - 32	192	25	18 - 33
Gastrointestinal Catastrophes	56	48	19 - 50	39	44	18 - 53
Infectious Disease	24	33	16 - 56	22	45	14 - 56
Metabolic/Electrolyte Disorders	51	25	12 - 42	40	30	9 - 42
Pulmonary Disease	150	29	16 - 33	141	27	16 - 35
Renal Failure	17	53	14 - 70	15	27	12 - 68
Severe Acute Heart Disease	215	38	28 - 45	166	46	28 - 46
Severe Chronic Heart Disease	222	28	15 - 29	187	22	16 - 30
Severe Trauma	13	54	9 - 62	8	63	5 - 69
Gastrointestinal Disease	313	6	1 - 8	303	2	1 - 6
Gynecologic Disease	55	0	0 - 98	34	0	0 -100
Low-Risk Heart Disease	455	4	2 - 6	413	4	1 - 6
Musculoskeletal/Skin Conditions	538	1	1 - 4	482	1	1 - 4
Neuropsychiatric/Sensory Disease	162	5	1 - 10	172	4	0 - 10
Urologic Disease	207	1	0 - 7	150	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	424
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	288
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	528
Licensed Practical Nurses:	105

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SANTIAM MEMORIAL HOSPITAL

1401 N. 10TH AVENUE
STAYTON, OR 97383

Medicare Hospital Provider Number: 380056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	212	19	11 - 22	176	20	11 - 23
Cancer	1	100	0 - 98	4	50	13 - 89
Cerebrovascular Accidents	15	60	13 - 60	9	11	15 - 62
Gastrointestinal Catastrophes	1	0	0 -100	1	100	0 - 99
Infectious Disease	2	50	7 - 96	2	50	5 - 94
Metabolic/Electrolyte Disorders	4	100	3 - 71	8	38	5 - 68
Pulmonary Disease	15	33	19 - 65	25	32	12 - 50
Renal Failure	3	100	11 - 86	1	100	0 - 99
Severe Acute Heart Disease	11	27	15 - 66	7	57	11 - 74
Severe Chronic Heart Disease	18	39	7 - 52	14	21	6 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	0	0 - 82	9	0	0 - 65
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	29	7	0 - 36	19	11	0 - 78
Musculoskeletal/Skin Conditions	19	5	0 - 48	13	23	0 - 98
Neuropsychiatric/Sensory Disease	8	13	0 -100	5	0	0 -100
Urologic Disease	2	0	0 -100	5	40	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	18
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SEASIDE GENERAL HOSPITAL

725 SOUTH WAHANNA ROAD, PO 740
SEASIDE, OR 97138

Medicare Hospital Provider Number: 380042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	284	16	10 - 19	244	13	9 - 18
Cancer	13	69	23 - 72	17	59	23 - 69
Cerebrovascular Accidents	13	38	7 - 58	7	43	4 - 71
Gastrointestinal Catastrophes	1	0	1 - 97	2	50	0 - 95
Infectious Disease	4	50	4 - 82	6	17	10 - 72
Metabolic/Electrolyte Disorders	3	33	1 - 89	2	50	0 - 97
Pulmonary Disease	14	36	9 - 58	15	13	9 - 48
Renal Failure	1	100	2 -100	0	-	-
Severe Acute Heart Disease	20	30	16 - 56	7	14	11 - 67
Severe Chronic Heart Disease	15	13	8 - 46	10	30	4 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	0	1 - 22	15	7	0 - 90
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	3	0 - 26	39	5	0 - 35
Musculoskeletal/Skin Conditions	19	5	0 - 78	13	0	0 - 89
Neuropsychiatric/Sensory Disease	11	0	0 - 94	9	0	0 - 99
Urologic Disease	8	0	0 -100	9	0	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	33
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	49
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SILVERTON HOSPITAL

342 FAIRVIEW STREET
SILVERTON, OR 97381

Medicare Hospital Provider Number: 380029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	353	10	9 - 16	282	13	8 - 17
Cancer	6	33	12 - 78	5	60	11 - 82
Cerebrovascular Accidents	16	19	11 - 51	16	56	10 - 57
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	1	100	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	11	9	4 - 51	7	14	0 - 78
Pulmonary Disease	26	12	11 - 40	20	0	11 - 33
Renal Failure	1	0	1 - 97	2	50	7 - 96
Severe Acute Heart Disease	12	33	20 - 70	11	55	19 - 73
Severe Chronic Heart Disease	31	32	14 - 47	22	9	10 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	0	0 - 29	23	0	0 - 29
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	3	1 - 21	26	15	0 - 75
Musculoskeletal/Skin Conditions	38	5	1 - 26	22	9	0 - 75
Neuropsychiatric/Sensory Disease	9	0	0 -100	10	0	0 - 98
Urologic Disease	5	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	38
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHERN COOS GENERAL HOSPITAL

640 WEST 4TH ST
BANDON, OR 97411

Medicare Hospital Provider Number: 380048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	107	13	9 - 22	120	22	11 - 26
Cancer	4	0	16 - 79	2	100	9 - 92
Cerebrovascular Accidents	4	50	7 - 83	4	100	4 - 70
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	4	50	6 - 83
Pulmonary Disease	9	22	8 - 63	12	17	9 - 55
Renal Failure	0	-	-	1	100	0 -100
Severe Acute Heart Disease	5	0	18 - 73	10	40	13 - 68
Severe Chronic Heart Disease	12	33	4 - 58	10	50	8 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 96	9	0	1 - 52
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	13	8	0 - 92	10	20	0 - 90
Musculoskeletal/Skin Conditions	8	13	0 - 92	8	0	0 - 99
Neuropsychiatric/Sensory Disease	6	17	0 - 97	4	25	0 -100
Urologic Disease	0	-	-	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	20
Occupancy Rate (%):	15
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHERN OREGON MEDICAL CENTER

1505 N W WASHINGTON BLVD
GRANTS PASS, OR 97526

Medicare Hospital Provider Number: 380063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	874	13	9 - 14	689	13	8 - 14
Cancer	22	41	17 - 58	18	39	16 - 60
Cerebrovascular Accidents	27	33	13 - 49	27	37	13 - 49
Gastrointestinal Catastrophes	11	27	9 - 62	9	22	10 - 65
Infectious Disease	7	14	6 - 65	7	29	8 - 70
Metabolic/Electrolyte Disorders	25	32	17 - 56	17	47	8 - 56
Pulmonary Disease	52	17	12 - 36	34	21	10 - 40
Renal Failure	3	67	8 - 90	2	100	3 - 89
Severe Acute Heart Disease	28	46	23 - 60	20	45	16 - 58
Severe Chronic Heart Disease	63	21	13 - 35	40	15	12 - 36
Severe Trauma	1	0	0 - 99	1	0	0 - 99
Gastrointestinal Disease	59	3	0 - 20	52	4	0 - 22
Gynecologic Disease	4	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	116	3	1 - 9	94	4	1 - 13
Musculoskeletal/Skin Conditions	58	5	0 - 28	50	0	0 - 13
Neuropsychiatric/Sensory Disease	16	0	0 - 54	22	5	0 - 53
Urologic Disease	41	0	0 - 33	26	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ANTHONY HOSPITAL

1601 SE COURT AVE (P O BOX 16)
PENDLETON, OR 97801

Medicare Hospital Provider Number: 380066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	567	15	9 - 16	526	10	8 - 14
Cancer	21	52	22 - 64	14	43	17 - 66
Cerebrovascular Accidents	26	27	14 - 49	26	15	12 - 42
Gastrointestinal Catastrophes	3	0	5 - 79	3	33	4 - 86
Infectious Disease	8	38	15 - 75	5	60	6 - 78
Metabolic/Electrolyte Disorders	8	25	4 - 66	5	20	2 - 75
Pulmonary Disease	34	18	13 - 42	29	21	12 - 43
Renal Failure	2	50	5 - 94	2	0	7 - 92
Severe Acute Heart Disease	24	54	18 - 57	24	17	24 - 55
Severe Chronic Heart Disease	19	26	9 - 49	21	29	6 - 46
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	61	3	1 - 16	54	2	1 - 14
Gynecologic Disease	15	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	49	10	0 - 43	53	4	1 - 17
Musculoskeletal/Skin Conditions	53	4	0 - 23	43	0	0 - 16
Neuropsychiatric/Sensory Disease	9	11	0 -100	9	0	0 -100
Urologic Disease	42	2	0 - 36	48	0	0 - 40

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	104
Occupancy Rate (%):	46
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CHARLES MEDICAL CENTER

2500 NE NEFF RD
BEND, OR 97701

Medicare Hospital Provider Number: 380047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,886	9	8 - 12	1,498	10	8 - 12
Cancer	81	36	28 - 53	57	46	29 - 57
Cerebrovascular Accidents	58	12	15 - 34	50	30	14 - 40
Gastrointestinal Catastrophes	22	27	13 - 53	15	13	10 - 51
Infectious Disease	8	25	7 - 66	13	23	16 - 63
Metabolic/Electrolyte Disorders	10	30	5 - 63	11	9	8 - 52
Pulmonary Disease	51	24	18 - 43	43	21	11 - 38
Renal Failure	5	40	13 - 87	7	43	7 - 77
Severe Acute Heart Disease	63	24	23 - 46	51	24	22 - 47
Severe Chronic Heart Disease	53	19	12 - 35	48	35	11 - 39
Severe Trauma	6	17	2 - 70	7	57	4 - 72
Gastrointestinal Disease	101	5	1 - 14	95	1	1 - 8
Gynecologic Disease	43	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	200	4	2 - 8	130	5	1 - 11
Musculoskeletal/Skin Conditions	254	3	1 - 7	223	1	1 - 5
Neuropsychiatric/Sensory Disease	52	8	0 - 31	58	2	0 - 23
Urologic Disease	198	0	0 - 6	100	1	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	164
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	217
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST ELIZABETH HOSPITAL & HEALTH CARE

P.O. BOX 766
BAKER, OR 97814

Medicare Hospital Provider Number: 380011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	357	14	9 - 17	304	12	6 - 15
Cancer	14	50	19 - 69	5	80	15 - 82
Cerebrovascular Accidents	18	44	10 - 55	7	14	5 - 63
Gastrointestinal Catastrophes	1	0	3 - 98	1	0	1 - 97
Infectious Disease	2	50	3 - 92	3	0	8 - 81
Metabolic/Electrolyte Disorders	8	13	3 - 61	2	0	0 - 93
Pulmonary Disease	23	22	16 - 51	16	25	11 - 54
Renal Failure	1	0	1 - 97	4	25	6 - 84
Severe Acute Heart Disease	22	41	18 - 58	11	27	13 - 63
Severe Chronic Heart Disease	12	25	5 - 56	9	11	5 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	3	0 - 52	37	3	0 - 35
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	39	3	0 - 23	31	3	0 - 36
Musculoskeletal/Skin Conditions	33	6	0 - 44	19	0	0 - 59
Neuropsychiatric/Sensory Disease	11	0	0 -100	9	0	0 -100
Urologic Disease	6	17	0 - 87	8	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	36
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST VINCENT HOSPITAL & MEDICAL CENTER

9205 SW BARNES ROAD
PORTLAND, OR 97225

Medicare Hospital Provider Number: 380004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,903	10	9 - 13	3,156	8	8 - 12
Cancer	175	45	30 - 50	123	33	28 - 50
Cerebrovascular Accidents	124	31	18 - 36	84	26	16 - 36
Gastrointestinal Catastrophes	23	39	19 - 60	21	24	15 - 55
Infectious Disease	30	30	24 - 59	17	35	15 - 61
Metabolic/Electrolyte Disorders	46	20	12 - 41	35	14	11 - 41
Pulmonary Disease	129	29	15 - 33	88	18	14 - 33
Renal Failure	15	40	16 - 74	10	50	16 - 80
Severe Acute Heart Disease	163	25	30 - 46	122	27	30 - 48
Severe Chronic Heart Disease	159	19	15 - 29	142	20	14 - 29
Severe Trauma	16	25	9 - 56	6	17	3 - 70
Gastrointestinal Disease	190	4	1 - 8	185	1	1 - 6
Gynecologic Disease	45	0	0 -100	32	0	0 -100
Low-Risk Heart Disease	688	3	2 - 6	640	2	2 - 5
Musculoskeletal/Skin Conditions	367	3	1 - 6	322	2	1 - 5
Neuropsychiatric/Sensory Disease	210	2	1 - 7	123	0	0 - 6
Urologic Disease	137	2	0 - 16	100	2	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	451
Occupancy Rate (%):	60
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	441
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	24
Registered Nurses:	664
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST. VINCENT HOSPITAL & MEDICAL CENTER
9205 SOUTHWEST BARNES ROAD
PORTLAND, OREGON 97225
PHONE: (503) 297-4411

SISTERS OF
PROVIDENCE
SERVING IN THE WEST SINCE 1856

October 7, 1988

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadow East Building 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

RE: Hospital ID 380004

The Medicare Hospital Mortality Information submitted for our review for the calendar year 1987 is essentially accurate. We did identify several discrepancies relating to the ICD-9-CM codes included in certain of the diagnostic categories. These discrepancies have been discussed with your representative, Mr. William Nichols and we have followed his directions in interpreting the diagnostic categories. The data also showed the incorrect principal diagnosis for nine of our patients. In each of these cases the correct principal diagnosis would have placed the case in a different diagnostic category. A list of these cases is attached.

In releasing these data to the public, it is important to note that while mortality rates are valuable and useful in identifying areas for further review, by themselves, they do not measure quality of care. There are many variables affecting the predictability of death and the tools for measuring these variables are, as yet, in a developmental stage. We continue to support the efforts in the development and refinement of these tools for measuring quality.

The Governing Board, management, and Medical Staff of St. Vincent Hospital and Medical Center consider quality care to be of the highest importance. The review of mortality data is an integral part of our comprehensive quality management program. Any indication of a potential quality problem leads to a prompt assessment, and if a problem is identified, to appropriate corrective action.

Very truly yours,

Greg Van Pelt
Administrator

Enc.
GVP:JS:mcb

ST. HELENS HOSPITAL & HEALTH CTR

500 N. COLUMBIA RIVER HWY
ST. HELENS , OR 97051

Medicare Hospital Provider Number: 380045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	286	13	10 - 18	273	13	10 - 19
Cancer	6	67	16 - 81	5	60	20 - 91
Cerebrovascular Accidents	12	33	8 - 59	15	27	9 - 54
Gastrointestinal Catastrophes	3	33	1 - 89	1	100	0 - 99
Infectious Disease	8	38	6 - 68	6	50	7 - 75
Metabolic/Electrolyte Disorders	14	14	7 - 50	11	9	7 - 52
Pulmonary Disease	20	20	12 - 49	26	15	12 - 43
Renal Failure	2	0	10 - 95	0	-	-
Severe Acute Heart Disease	14	36	16 - 64	16	50	15 - 62
Severe Chronic Heart Disease	26	19	10 - 42	27	22	10 - 43
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	21	0	0 - 55	14	7	0 -100
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	34	0	0 - 17	39	0	0 - 15
Musculoskeletal/Skin Conditions	23	0	0 - 70	15	0	0 - 93
Neuropsychiatric/Sensory Disease	9	0	1 - 55	11	0	0 - 96
Urologic Disease	8	13	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 44
Occupancy Rate (%): 25
Ownership/Control: Church

STAFFING

Total Number of Physicians: 16
Percent of Physicians Who Are Board Certified Specialists: 50
Interns and Residents: 0
Registered Nurses: 34
Licensed Practical Nurses: 0

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

TILLAMOOK COUNTY GENERAL HOSPITAL

1000 THIRD ST
TILLAMOOK, OR 97141

Medicare Hospital Provider Number: 380070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	441	12	9 - 16	373	11	11 - 18
Cancer	10	20	16 - 66	5	40	4 - 77
Cerebrovascular Accidents	24	4	14 - 36	28	32	12 - 47
Gastrointestinal Catastrophes	2	50	5 - 93	3	33	3 - 86
Infectious Disease	6	50	11 - 79	10	10	18 - 64
Metabolic/Electrolyte Disorders	4	25	1 - 82	5	0	4 - 64
Pulmonary Disease	51	16	13 - 36	32	22	17 - 47
Renal Failure	2	50	2 - 92	2	0	3 - 89
Severe Acute Heart Disease	20	25	14 - 52	24	33	20 - 57
Severe Chronic Heart Disease	21	24	10 - 47	22	5	14 - 38
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	39	5	0 - 58	36	0	0 - 20
Gynecologic Disease	11	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	53	9	0 - 37	44	2	0 - 20
Musculoskeletal/Skin Conditions	22	0	1 - 25	11	0	0 - 99
Neuropsychiatric/Sensory Disease	13	8	0 -100	12	8	0 -100
Urologic Disease	1	0	0 -100	8	13	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	38
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TUALITY COMMUNITY HOSPITAL

335 SE 8TH AVENUE
HILLSBORO, OR 97123

Medicare Hospital Provider Number: 380021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,312	12	10 - 15	989	13	10 - 15
Cancer	49	47	29 - 59	39	46	28 - 61
Cerebrovascular Accidents	65	26	16 - 39	41	41	14 - 44
Gastrointestinal Catastrophes	10	60	12 - 69	5	20	4 - 74
Infectious Disease	14	14	13 - 54	15	27	13 - 59
Metabolic/Electrolyte Disorders	32	9	14 - 42	14	0	11 - 41
Pulmonary Disease	73	21	14 - 35	34	26	15 - 46
Renal Failure	2	0	4 - 89	6	33	7 - 79
Severe Acute Heart Disease	59	34	26 - 52	47	40	27 - 56
Severe Chronic Heart Disease	67	28	13 - 36	55	22	11 - 34
Severe Trauma	4	50	3 - 82	0	-	-
Gastrointestinal Disease	92	7	1 - 15	70	7	1 - 20
Gynecologic Disease	30	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	124	2	1 - 9	113	2	1 - 8
Musculoskeletal/Skin Conditions	151	1	1 - 6	118	1	0 - 7
Neuropsychiatric/Sensory Disease	26	0	0 - 33	18	11	0 -100
Urologic Disease	54	6	0 - 27	36	3	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	167
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	91
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	155
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UMPQUA VALLEY COMMUNITY HOSPITAL

127 NW DIVISION ST (P O BOX 62
MYRTLE CREEK, OR 97457

Medicare Hospital Provider Number: 380094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	77	10	7 - 22	72	4	7 - 18
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	3	0	2 - 81	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	3	67	2 - 87	0	-	-
Metabolic/Electrolyte Disorders	6	0	2 - 60	3	0	0 - 97
Pulmonary Disease	5	0	1 - 67	5	0	10 - 66
Renal Failure	3	33	7 - 90	0	-	-
Severe Acute Heart Disease	1	0	1 - 97	6	33	8 - 74
Severe Chronic Heart Disease	9	22	4 - 61	4	0	6 - 71
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 - 99	7	0	0 - 68
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	14	7	0 - 87	15	0	0 - 84
Musculoskeletal/Skin Conditions	5	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	1 - 97
Urologic Disease	1	0	1 - 97	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	22
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

VALLEY COMMUNITY HOSPITAL

550 SE CLAY
DALLAS, OR 97338

Medicare Hospital Provider Number: 380084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	411	11	9 - 16	396	8	9 - 15
Cancer	11	45	17 - 71	8	38	16 - 77
Cerebrovascular Accidents	12	17	10 - 55	19	16	16 - 51
Gastrointestinal Catastrophes	6	17	13 - 75	3	67	2 - 86
Infectious Disease	6	67	10 - 76	8	50	11 - 73
Metabolic/Electrolyte Disorders	7	29	6 - 70	11	9	6 - 51
Pulmonary Disease	22	9	12 - 42	11	9	12 - 54
Renal Failure	6	0	25 - 83	1	100	2 - 98
Severe Acute Heart Disease	14	50	17 - 66	11	36	19 - 71
Severe Chronic Heart Disease	19	26	6 - 47	16	13	7 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	0	0 - 17	28	0	0 - 27
Gynecologic Disease	4	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	49	0	1 - 11	36	3	0 - 27
Musculoskeletal/Skin Conditions	38	0	0 - 19	49	2	0 - 20
Neuropsychiatric/Sensory Disease	6	17	0 -100	8	0	0 - 99
Urologic Disease	27	4	0 - 77	19	0	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	46
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	37
Interns and Residents:	0
Registered Nurses:	54
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WALLOWA MEMORIAL HOSPITAL

P.O. BOX 460
ENTERPRISE, OR 97828

Medicare Hospital Provider Number: 380031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	176	8	8 - 17	170	10	8 - 18
Cancer	2	50	2 - 92	2	100	11 - 95
Cerebrovascular Accidents	7	29	8 - 70	6	17	4 - 68
Gastrointestinal Catastrophes	0	-	-	2	50	6 - 94
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	12	8	7 - 50	13	8	7 - 48
Pulmonary Disease	26	8	10 - 36	22	18	9 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	40	6 - 78	10	30	12 - 66
Severe Chronic Heart Disease	11	0	10 - 42	9	33	4 - 64
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 93	18	0	0 - 91
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	21	0	0 - 36	21	5	0 - 84
Musculoskeletal/Skin Conditions	12	8	0 -100	10	0	0 -100
Neuropsychiatric/Sensory Disease	9	0	0 - 99	8	0	0 -100
Urologic Disease	4	0	0 -100	6	17	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	59
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WESTERN LANE HOSPITAL DISTRICT

1525 TWELFTH ST
FLORENCE, OR 97439

Medicare Hospital Provider Number: 380013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	284	14	9 - 18	268	16	9 - 18
Cancer	7	57	13 - 77	11	73	16 - 68
Cerebrovascular Accidents	15	33	12 - 58	6	33	4 - 73
Gastrointestinal Catastrophes	1	100	3 - 99	4	75	8 - 82
Infectious Disease	2	0	5 - 89	4	25	1 - 82
Metabolic/Electrolyte Disorders	4	50	3 - 82	3	0	2 - 80
Pulmonary Disease	13	15	9 - 52	16	6	9 - 41
Renal Failure	1	100	3 - 99	3	67	8 - 90
Severe Acute Heart Disease	12	33	17 - 67	19	53	22 - 65
Severe Chronic Heart Disease	21	14	10 - 43	11	36	10 - 64
Severe Trauma	2	100	6 - 90	1	0	0 - 98
Gastrointestinal Disease	32	9	0 - 43	20	0	0 - 59
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	26	4	0 - 58	27	7	0 - 54
Musculoskeletal/Skin Conditions	33	3	0 - 57	29	0	0 - 41
Neuropsychiatric/Sensory Disease	8	13	0 -100	8	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	38
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILLAMETTE FALLS COMMUNITY HOSPITAL

1500 DIVISION STREET (P O BOX
OREGON CITY, OR 97045

Medicare Hospital Provider Number: 380038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,264	15	10 - 15	1,064	14	9 - 15
Cancer	46	39	26 - 57	37	35	24 - 57
Cerebrovascular Accidents	59	31	16 - 40	42	29	13 - 42
Gastrointestinal Catastrophes	9	44	10 - 70	8	38	12 - 73
Infectious Disease	16	50	17 - 64	5	40	8 - 79
Metabolic/Electrolyte Disorders	12	42	7 - 62	13	15	9 - 54
Pulmonary Disease	75	29	15 - 38	52	25	12 - 38
Renal Failure	5	60	13 - 87	5	40	8 - 83
Severe Acute Heart Disease	56	45	23 - 51	46	54	27 - 56
Severe Chronic Heart Disease	70	29	13 - 35	49	35	12 - 40
Severe Trauma	3	100	9 - 82	2	100	4 - 89
Gastrointestinal Disease	103	6	1 - 15	89	4	1 - 13
Gynecologic Disease	21	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	128	5	1 - 11	123	7	1 - 12
Musculoskeletal/Skin Conditions	130	4	0 - 11	98	4	0 - 17
Neuropsychiatric/Sensory Disease	25	8	0 - 89	25	4	0 - 59
Urologic Disease	71	1	0 - 16	54	4	0 - 64

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	98
Occupancy Rate (%):	53
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	96
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	118
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WOODLAND PARK HOSPITAL

10300 NE HANCOCK ST
PORTLAND, OR 97220

Medicare Hospital Provider Number: 380010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	869	14	8 - 14	641	13	9 - 15
Cancer	19	53	19 - 63	13	31	12 - 62
Cerebrovascular Accidents	36	28	14 - 44	28	21	15 - 46
Gastrointestinal Catastrophes	10	50	11 - 68	7	43	12 - 76
Infectious Disease	6	33	13 - 79	7	29	6 - 69
Metabolic/Electrolyte Disorders	16	19	8 - 51	15	27	6 - 54
Pulmonary Disease	53	42	12 - 40	30	30	12 - 46
Renal Failure	7	43	13 - 81	8	25	12 - 77
Severe Acute Heart Disease	33	36	22 - 55	36	36	25 - 57
Severe Chronic Heart Disease	42	29	12 - 40	30	27	12 - 44
Severe Trauma	1	0	0 - 99	2	50	3 - 92
Gastrointestinal Disease	50	2	0 - 19	35	6	0 - 50
Gynecologic Disease	16	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	73	3	1 - 12	62	8	0 - 26
Musculoskeletal/Skin Conditions	78	10	0 - 32	58	2	0 - 25
Neuropsychiatric/Sensory Disease	62	2	0 - 41	56	0	0 - 16
Urologic Disease	56	0	0 - 40	19	5	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	209
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

AUBURN GENERAL HOSPITAL

20 SECOND ST SE
AUBURN, WA 98002

Medicare Hospital Provider Number: 500015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	989	13	9 - 14	1,111	16	9 - 15
Cancer	21	52	19 - 61	24	29	20 - 57
Cerebrovascular Accidents	47	23	14 - 39	26	12	12 - 40
Gastrointestinal Catastrophes	9	33	10 - 68	4	50	4 - 82
Infectious Disease	9	33	12 - 70	3	0	5 - 79
Metabolic/Electrolyte Disorders	13	0	7 - 39	13	23	6 - 56
Pulmonary Disease	64	25	16 - 39	86	31	16 - 38
Renal Failure	2	100	1 - 91	6	50	13 - 85
Severe Acute Heart Disease	56	48	23 - 51	70	46	27 - 52
Severe Chronic Heart Disease	54	24	12 - 36	73	26	14 - 35
Severe Trauma	1	0	1 - 97	1	0	0 - 97
Gastrointestinal Disease	66	6	0 - 25	86	3	0 - 17
Gynecologic Disease	13	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	108	5	1 - 13	120	11	0 - 20
Musculoskeletal/Skin Conditions	93	4	0 - 16	101	2	0 - 11
Neuropsychiatric/Sensory Disease	14	7	0 - 99	14	7	0 -100
Urologic Disease	57	0	0 - 28	56	7	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	119
Occupancy Rate (%):	48
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	114
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	109
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

auburn general hospital

where caring is part of the cure

October 21, 1988

Sandra Kappert
Health Care Financing Administration
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

The following information should be attached to the HCFA mortality report for Auburn General Hospital, which is due for publication in December 1988, prior to public disclosure.

The Medical Staff of Auburn General Hospital has for many years reviewed each medical record of all mortality cases through our peer review system for quality and clinical pertinence of professional care. Even though Auburn General Hospital fell within the predicted mortality range overall for 1987, we would like to share the following comments about the specific categories:

Cancer, Actual Mortality Rate 13% / # of Deaths 11 (Predicted 9-14%)

Of these 11 patients, 8 were admitted in a terminal stage and requested that no heroic measures to prolong their lives be taken (i.e. NO CODE); death decidedly could be classified as an expected outcome of their end-stage/terminal disease.

Severe Acute Heart Disease, Actual Mortality Rate 48% / # of Deaths 27 (Predicted Range 23 - 51%)

This category is within the predicted mortality range despite the fact that 17 of the 27 patients who expired had requested "NO CODE", and one patient's family had requested comfort measures only. With these patients, it should be noted that death was an expected outcome of their end-stage terminal disease.

Renal Failure, Actual Mortality Rate 100% / # of Deaths 2 (Predicted 1-91%)

These two patients were admitted to the hospital in severe end-stage renal failure; both patients had requested no heroic measures to prolong their lives be performed. It should be noted that two cases is not a statistically valid measurement of a mortality rate.

Mortality review is just one of the ongoing processes of our Quality Assurance program. We believe these monitors can be utilized for continous feedback to assess the high quality of care we provide, and which our patients have come to expect, from Auburn General Hospital.

Sincerely,

BALLARD COMMUNITY HOSPITAL

5409 BARNES AVENUE NW
SEATTLE, WA 98107

Medicare Hospital Provider Number: 500078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,362	12	11 - 15	1,380	14	10 - 15
Cancer	34	44	25 - 60	46	52	26 - 58
Cerebrovascular Accidents	70	14	18 - 37	72	29	18 - 41
Gastrointestinal Catastrophes	17	18	16 - 57	15	47	17 - 66
Infectious Disease	11	18	12 - 61	12	25	15 - 64
Metabolic/Electrolyte Disorders	21	29	10 - 52	12	8	5 - 49
Pulmonary Disease	79	24	15 - 37	59	34	15 - 41
Renal Failure	9	67	21 - 84	9	33	8 - 74
Severe Acute Heart Disease	74	47	30 - 55	57	49	26 - 53
Severe Chronic Heart Disease	75	19	17 - 36	82	29	18 - 39
Severe Trauma	1	0	0 - 98	3	33	5 - 87
Gastrointestinal Disease	91	4	1 - 14	90	1	2 - 9
Gynecologic Disease	19	0	0 -100	14	7	0 -100
Low-Risk Heart Disease	104	6	1 - 14	111	3	1 - 9
Musculoskeletal/Skin Conditions	171	2	1 - 7	184	4	1 - 8
Neuropsychiatric/Sensory Disease	58	2	0 - 18	60	3	0 - 21
Urologic Disease	58	2	0 - 25	44	0	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	124
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	134
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BLACK HILLS COMMUNITY HOSPITAL

3900 CAPITAL MALL DR SW
OLYMPIA , WA 98502

Medicare Hospital Provider Number: 500139

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	493	15	13 - 20	413	18	10 - 19
Cancer	38	61	34 - 67	23	74	34 - 72
Cerebrovascular Accidents	19	16	13 - 48	14	29	10 - 57
Gastrointestinal Catastrophes	7	43	9 - 74	5	0	10 - 67
Infectious Disease	8	13	19 - 71	7	14	12 - 69
Metabolic/Electrolyte Disorders	6	17	2 - 72	2	50	3 - 92
Pulmonary Disease	32	31	17 - 50	23	30	10 - 49
Renal Failure	0	-	-	1	0	1 - 97
Severe Acute Heart Disease	21	48	22 - 63	20	45	21 - 63
Severe Chronic Heart Disease	22	14	9 - 41	9	33	3 - 65
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	22	5	1 - 35	34	9	0 - 43
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	59	0	1 - 9	37	8	0 - 33
Musculoskeletal/Skin Conditions	32	0	1 - 16	37	3	0 - 38
Neuropsychiatric/Sensory Disease	13	8	0 -100	8	0	0 - 82
Urologic Disease	28	4	0 - 99	20	5	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	110
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	58
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CASCADE GENERAL HOSPITAL

817 COMMERCIAL ST (P O BOX 330
LEAVENWORTH, WA 98826

Medicare Hospital Provider Number: 500123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	46	9	6 - 25	75	19	7 - 26
Cancer	2	100	8 - 92	4	50	15 - 90
Cerebrovascular Accidents	4	25	4 - 79	4	75	5 - 80
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	2 - 97
Metabolic/Electrolyte Disorders	1	0	0 - 98	1	0	0 -100
Pulmonary Disease	3	0	1 - 84	3	33	1 - 90
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	0	9 - 72	5	40	6 - 78
Severe Chronic Heart Disease	1	0	0 - 97	2	0	4 - 88
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	7	14	0 -100	13	8	0 - 97
Musculoskeletal/Skin Conditions	2	0	0 -100	10	0	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	0	-	-
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	(not available)
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

CASCADE VALLEY HOSPITAL

330 S STILLAGUAMISH
ARLINGTON, WA 98223

Medicare Hospital Provider Number: 500060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	352	12	10 - 18	349	16	10 - 19
Cancer	2	50	1 - 92	2	50	1 - 92
Cerebrovascular Accidents	12	25	9 - 58	19	26	12 - 52
Gastrointestinal Catastrophes	5	60	11 - 82	7	57	10 - 74
Infectious Disease	7	43	7 - 72	5	60	14 - 85
Metabolic/Electrolyte Disorders	3	0	0 - 98	4	50	3 - 82
Pulmonary Disease	29	17	17 - 47	21	24	14 - 51
Renal Failure	1	0	0 - 98	1	100	3 -100
Severe Acute Heart Disease	25	20	22 - 55	24	54	21 - 60
Severe Chronic Heart Disease	24	21	14 - 47	23	26	11 - 48
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	17	6	0 - 55	24	0	0 - 26
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	48	2	1 - 15	36	3	0 - 28
Musculoskeletal/Skin Conditions	31	3	0 - 57	33	6	0 - 33
Neuropsychiatric/Sensory Disease	14	0	0 - 49	16	0	0 - 64
Urologic Disease	14	0	0 - 97	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	42
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CENTRAL WASHINGTON HEALTH SERVICES

1211 ROSEWOOD AVENUE
WENATCHEE, WA 98801

Medicare Hospital Provider Number: 500016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,985	11	9 - 13	2,125	10	8 - 13
Cancer	82	41	24 - 49	95	52	27 - 51
Cerebrovascular Accidents	66	29	16 - 39	77	21	16 - 36
Gastrointestinal Catastrophes	23	48	17 - 59	24	42	16 - 57
Infectious Disease	13	38	10 - 62	7	14	8 - 66
Metabolic/Electrolyte Disorders	29	28	9 - 46	36	11	9 - 37
Pulmonary Disease	83	27	12 - 34	100	24	17 - 37
Renal Failure	8	25	14 - 77	8	50	10 - 78
Severe Acute Heart Disease	98	34	28 - 49	86	36	25 - 48
Severe Chronic Heart Disease	62	19	15 - 36	62	21	14 - 36
Severe Trauma	5	40	3 - 78	4	50	6 - 83
Gastrointestinal Disease	112	2	1 - 9	115	3	1 - 10
Gynecologic Disease	41	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	152	2	2 - 7	209	4	1 - 8
Musculoskeletal/Skin Conditions	301	3	1 - 6	328	0	1 - 3
Neuropsychiatric/Sensory Disease	40	2	0 - 25	62	2	0 - 17
Urologic Disease	166	0	0 - 6	159	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	176
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	94
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	147
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CENTRALIA GENERAL HOSPITAL

1820 COOKS HILL ROAD
CENTRALIA, WA 98531

Medicare Hospital Provider Number: 500010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	815	12	9 - 14	843	12	9 - 15
Cancer	14	64	18 - 67	14	57	17 - 66
Cerebrovascular Accidents	31	19	13 - 43	31	32	13 - 46
Gastrointestinal Catastrophes	5	20	10 - 77	10	30	16 - 70
Infectious Disease	12	33	14 - 65	6	0	10 - 61
Metabolic/Electrolyte Disorders	18	22	7 - 50	19	37	12 - 56
Pulmonary Disease	49	27	14 - 41	45	31	16 - 45
Renal Failure	3	67	7 - 89	0	-	-
Severe Acute Heart Disease	36	33	25 - 57	43	51	26 - 56
Severe Chronic Heart Disease	40	17	13 - 38	55	18	15 - 37
Severe Trauma	3	33	3 - 86	0	-	-
Gastrointestinal Disease	51	6	0 - 35	53	4	1 - 18
Gynecologic Disease	7	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	108	3	1 - 10	109	3	1 - 10
Musculoskeletal/Skin Conditions	82	0	0 - 8	82	4	0 - 20
Neuropsychiatric/Sensory Disease	14	7	0 -100	13	0	0 - 88
Urologic Disease	46	2	0 - 48	49	0	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	45
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLUMBIA BASIN HOSPITAL

SOUTHEAST BLVD
EPHRATA, WA 98823

Medicare Hospital Provider Number: 500029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	64	19	8 - 28	78	26	9 - 29
Cancer	3	67	4 - 86	1	100	1 - 97
Cerebrovascular Accidents	3	0	6 - 79	1	0	1 - 97
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 - 98	1	0	0 - 98
Pulmonary Disease	8	38	2 - 70	5	60	3 - 77
Renal Failure	2	100	7 - 91	0	-	-
Severe Acute Heart Disease	5	0	12 - 67	13	38	14 - 64
Severe Chronic Heart Disease	3	33	6 - 87	11	45	7 - 62
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 -100	9	11	0 -100
Musculoskeletal/Skin Conditions	4	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	58
Occupancy Rate (%):	66
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	3
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY MEMORIAL HOSPITAL

2125 C ST
ENUMCLAW, WA 98022

Medicare Hospital Provider Number: 500104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	304	10	9 - 17	307	14	9 - 18
Cancer	5	20	7 - 75	7	57	23 - 87
Cerebrovascular Accidents	11	18	11 - 58	14	29	11 - 57
Gastrointestinal Catastrophes	3	0	6 - 80	3	33	1 - 87
Infectious Disease	3	0	2 - 80	0	-	-
Metabolic/Electrolyte Disorders	3	0	0 - 97	5	40	2 - 78
Pulmonary Disease	25	24	12 - 47	24	25	8 - 45
Renal Failure	3	33	8 - 90	2	100	11 - 96
Severe Acute Heart Disease	16	13	26 - 62	9	44	16 - 74
Severe Chronic Heart Disease	19	37	8 - 51	24	29	12 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 40	23	0	0 - 74
Gynecologic Disease	6	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	34	6	1 - 27	26	4	0 - 40
Musculoskeletal/Skin Conditions	25	0	0 - 67	26	4	0 - 59
Neuropsychiatric/Sensory Disease	7	0	0 -100	3	0	0 -100
Urologic Disease	14	0	0 - 48	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	38
Occupancy Rate (%):	34
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COULEE COMMUNITY HOSPITAL

411 FORTUYN RD (P O BOX H)
GRAND COULEE, WA 99133

Medicare Hospital Provider Number: 500125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	55	27	7 - 32	45	9	5 - 24
Cancer	1	0	0 - 99	1	100	2 - 97
Cerebrovascular Accidents	1	100	0 - 98	1	0	0 - 98
Gastrointestinal Catastrophes	2	50	0 - 95	0	-	-
Infectious Disease	0	-	-	1	0	0 -100
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	8	38	1 - 71	6	33	6 - 73
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	5	60	12 - 82	0	-	-
Severe Chronic Heart Disease	3	0	7 - 80	5	20	2 - 76
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 - 97	8	0	0 - 82
Musculoskeletal/Skin Conditions	0	-	-	4	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	0	-	-
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DAYTON GENERAL HOSPITAL

1012 S THIRD ST
DAYTON, WA 99328

Medicare Hospital Provider Number: 500094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	76	8	6 - 19	81	10	9 - 23
Cancer	1	100	2 - 98	3	67	7 - 88
Cerebrovascular Accidents	2	50	1 - 92	6	33	4 - 73
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 98
Infectious Disease	0	-	-	1	0	0 - 99
Metabolic/Electrolyte Disorders	0	-	-	1	0	2 -100
Pulmonary Disease	4	0	6 - 71	7	14	3 - 64
Renal Failure	1	0	0 -100	0	-	-
Severe Acute Heart Disease	5	40	8 - 79	7	14	20 - 75
Severe Chronic Heart Disease	2	0	2 - 88	1	0	1 - 97
Severe Trauma	7	0	2 - 57	2	0	0 - 94
Gastrointestinal Disease	2	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	16	0	0 - 48	5	0	0 -100
Musculoskeletal/Skin Conditions	15	7	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	5	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	71
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DEACONESS HOSPITAL

W 800 FIFTH AVENUE
SPOKANE, WA 99210

Medicare Hospital Provider Number: 500044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,862	9	10 - 13	2,841	9	9 - 14
Cancer	84	38	28 - 53	96	36	33 - 56
Cerebrovascular Accidents	89	25	20 - 39	78	22	17 - 37
Gastrointestinal Catastrophes	19	11	16 - 51	27	22	19 - 54
Infectious Disease	18	28	20 - 62	19	21	16 - 55
Metabolic/Electrolyte Disorders	24	17	8 - 44	16	19	6 - 50
Pulmonary Disease	89	19	18 - 37	80	25	15 - 37
Renal Failure	13	46	21 - 80	9	22	20 - 82
Severe Acute Heart Disease	212	25	28 - 44	160	22	31 - 47
Severe Chronic Heart Disease	91	16	15 - 32	116	25	16 - 33
Severe Trauma	5	40	4 - 78	3	0	6 - 80
Gastrointestinal Disease	133	3	1 - 9	131	0	2 - 6
Gynecologic Disease	67	0	0 - 87	60	0	0 -100
Low-Risk Heart Disease	506	3	2 - 6	468	3	2 - 6
Musculoskeletal/Skin Conditions	238	3	1 - 7	281	2	1 - 5
Neuropsychiatric/Sensory Disease	115	3	1 - 10	113	1	0 - 8
Urologic Disease	179	1	0 - 6	171	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	352
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	530
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	425
Licensed Practical Nurses:	59

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DEACONESS
MEDICAL CENTER·SPOKANE

West 800 Fifth Avenue

Post Office Box 248
Spokane, WA
99210-0248

(509) 458-5800

Medicare Provider Number
500044

October 18, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Colleagues in Health Care:

This letter is in response to the release of Deaconess Medical Center's 1987 mortality data. We appreciate the opportunity to comment.

Deaconess Medical Center-Spokane is a 372-bed regional tertiary referral facility. Patients from throughout the Inland Northwest receive specialized care in cardiology, oncology, high-risk obstetrics, and intensive care for infants, children and adults. The Medical Center provides an air ambulance service (LIFEBIRD) which transports critically ill patients to the emergency department that specializes in trauma care. A chemical dependency unit (38 beds) and a rehabilitation unit (14 beds) are additional specialty services utilized by patients.

The medical staff, hospital departments and nursing service of Deaconess Medical Center participate in an ongoing, hospital-wide quality assurance program designed to objectively and systematically monitor and evaluate the quality and appropriateness of patient care. A review of all deaths at Deaconess is performed by each medical staff department.

More specifically, the 1987 mortality information has been reviewed by the president of the medical staff, physician chairman of the utilization management committee, director of utilization management, director of medical records and the quality assurance committee.

If additional information is desired, please feel free to call.

Very Truly Yours,

TJ Zellers

Thomas J. Zellers
President

Empire
Health
Services

DEER PARK HEALTH CENTER HOSP

FOREST AND D STREETS
DEER PARK, WA 99006

Medicare Hospital Provider Number: 500132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	82	10	6 - 21	118	6	10 - 19
Cancer	1	0	0 - 98	2	50	5 - 93
Cerebrovascular Accidents	3	33	2 - 86	1	0	1 - 97
Gastrointestinal Catastrophes	1	100	0 -100	1	0	2 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	2	50	3 - 92
Pulmonary Disease	18	17	8 - 46	24	0	20 - 39
Renal Failure	0	-	-	1	0	3 - 98
Severe Acute Heart Disease	0	-	-	1	0	1 - 97
Severe Chronic Heart Disease	2	0	2 - 89	3	0	1 - 81
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 65	24	4	0 - 45
Musculoskeletal/Skin Conditions	9	0	0 - 95	13	8	0 - 90
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	4	0	0 - 81	5	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	26
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

EVERGREEN HOSPITAL MEDICAL CENTER

12040 NE 128TH STREET
KIRKLAND, WA 98033

Medicare Hospital Provider Number: 500124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,164	15	10 - 16	1,134	14	10 - 15
Cancer	40	57	30 - 63	36	53	21 - 56
Cerebrovascular Accidents	53	32	16 - 42	52	27	14 - 39
Gastrointestinal Catastrophes	11	36	11 - 65	13	46	16 - 68
Infectious Disease	14	21	16 - 61	11	18	9 - 58
Metabolic/Electrolyte Disorders	16	13	8 - 48	20	30	10 - 53
Pulmonary Disease	59	29	13 - 39	44	25	16 - 43
Renal Failure	4	0	10 - 78	3	33	4 - 88
Severe Acute Heart Disease	62	50	26 - 52	52	48	25 - 54
Severe Chronic Heart Disease	72	24	15 - 36	57	23	15 - 38
Severe Trauma	3	33	2 - 87	2	0	7 - 91
Gastrointestinal Disease	67	0	1 - 8	62	5	0 - 24
Gynecologic Disease	18	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	124	3	1 - 9	114	5	1 - 12
Musculoskeletal/Skin Conditions	103	3	1 - 11	112	3	0 - 11
Neuropsychiatric/Sensory Disease	32	6	0 - 54	26	4	0 - 56
Urologic Disease	60	0	0 - 30	45	0	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	134
Occupancy Rate (%):	72
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	189
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	217
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FERRY COUNTY MEMORIAL HOSPITAL

470 N KLONDIKE RD, PO BOX 365
REPUBLIC, WA 99166

Medicare Hospital Provider Number: 500098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	32	6	3 - 25	77	4	6 - 17
Cancer	0	-	-	1	100	3 - 98
Cerebrovascular Accidents	1	0	1 - 97	1	0	0 -100
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	3 - 99	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	0	0 - 99
Pulmonary Disease	2	0	0 - 95	12	0	11 - 42
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	100	1 - 97
Severe Chronic Heart Disease	3	0	1 - 86	6	0	3 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	4	0	0 -100	15	0	0 - 58
Musculoskeletal/Skin Conditions	3	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FIFTH AVENUE MEDICAL CENTER

10560 FIFTH AVE NE (P O BOX 25
SEATTLE, WA 98125

Medicare Hospital Provider Number: 500075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	202	11	8 - 17	240	7	8 - 15
Cancer	9	11	22 - 69	2	100	9 - 92
Cerebrovascular Accidents	6	17	6 - 68	3	0	4 - 79
Gastrointestinal Catastrophes	1	100	2 - 97	2	0	4 - 88
Infectious Disease	1	100	1 - 97	1	0	0 - 99
Metabolic/Electrolyte Disorders	6	17	2 - 71	14	29	8 - 57
Pulmonary Disease	12	33	11 - 62	17	12	12 - 47
Renal Failure	2	0	5 - 90	0	-	-
Severe Acute Heart Disease	6	67	16 - 82	9	33	19 - 76
Severe Chronic Heart Disease	8	13	8 - 60	10	10	9 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 44	10	0	0 -100
Gynecologic Disease	6	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	19	5	0 - 79	15	0	0 - 54
Musculoskeletal/Skin Conditions	28	0	0 - 56	57	2	0 - 25
Neuropsychiatric/Sensory Disease	2	0	0 -100	8	0	0 -100
Urologic Disease	7	0	0 -100	14	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

FORKS COMMUNITY HOSPITAL

RURAL ROUTE 3, BOX 3575
FORKS, WA 98331

Medicare Hospital Provider Number: 500062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	49	6	6 - 22	56	14	9 - 29
Cancer	0	-	-	3	100	20 - 93
Cerebrovascular Accidents	1	0	0 - 99	2	0	1 - 90
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 98	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	5	20	11 - 78	7	29	8 - 70
Renal Failure	0	-	-	1	100	3 -100
Severe Acute Heart Disease	1	0	2 - 97	4	0	9 - 73
Severe Chronic Heart Disease	7	0	3 - 52	5	0	6 - 63
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	3	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	8	0 -100	3	0	0 -100
Musculoskeletal/Skin Conditions	3	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	4	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	37
Occupancy Rate (%):	62
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FRED HUTCHINSON CANCER RESEARCH CENT

1124 COLUMBIA ST
SEATTLE , WA 98104

Medicare Hospital Provider Number: 500138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6	0	14 - 64	2	0	6 - 90
Cancer	5	0	13 - 69	2	0	6 - 90
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 98	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	20
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	24
Registered Nurses:	76
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GARFIELD MEMORIAL HOSPITAL

NORTH 66 SIXTH ST
POMEROY, WA 99347

Medicare Hospital Provider Number: 500090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	10	10	2 - 53	24	25	4 - 42
Cancer	0	-	-	1	100	2 -100
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	3	33	1 - 87	1	0	0 - 98
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	2	100	5 - 89
Severe Chronic Heart Disease	1	0	0 - 99	4	50	2 - 82
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	3	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	1	0	0 -100	2	50	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	14
Occupancy Rate (%):	(not available)
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

GENERAL HOSPITAL MEDICAL CENTER

1321 COLBY AVE, PO BOX 1147
EVERETT, WA 98201

Medicare Hospital Provider Number: 500014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,061	11	8 - 12	1,906	9	8 - 12
Cancer	40	32	22 - 54	38	34	21 - 54
Cerebrovascular Accidents	73	36	16 - 39	71	23	17 - 38
Gastrointestinal Catastrophes	15	40	15 - 64	13	46	12 - 64
Infectious Disease	14	7	13 - 50	14	21	13 - 59
Metabolic/Electrolyte Disorders	34	21	11 - 43	31	23	9 - 43
Pulmonary Disease	71	24	13 - 36	51	22	13 - 38
Renal Failure	5	0	8 - 72	3	0	5 - 82
Severe Acute Heart Disease	93	32	26 - 48	94	31	28 - 48
Severe Chronic Heart Disease	97	26	14 - 32	67	27	15 - 38
Severe Trauma	5	40	2 - 79	4	0	4 - 72
Gastrointestinal Disease	95	2	0 - 11	84	1	1 - 9
Gynecologic Disease	27	0	0 -100	30	0	0 -100
Low-Risk Heart Disease	419	4	2 - 7	395	4	2 - 6
Musculoskeletal/Skin Conditions	164	1	1 - 6	195	0	1 - 4
Neuropsychiatric/Sensory Disease	144	3	0 - 12	137	3	0 - 12
Urologic Disease	68	0	0 - 23	67	1	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 221
Occupancy Rate (%): 60
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 267
Percent of Physicians Who Are Board Certified Specialists: 71
Interns and Residents: 0
Registered Nurses: 249
Licensed Practical Nurses: 35

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

GOOD SAMARITAN HOSPITAL

407 14TH AVE SE
PUYALLUP, WA 98371

Medicare Hospital Provider Number: 500079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,867	14	11 - 15	1,749	13	9 - 14
Cancer	36	39	23 - 57	35	40	25 - 59
Cerebrovascular Accidents	93	23	18 - 37	80	25	17 - 38
Gastrointestinal Catastrophes	13	46	12 - 65	16	44	15 - 63
Infectious Disease	22	18	18 - 54	15	7	18 - 53
Metabolic/Electrolyte Disorders	44	27	16 - 48	38	32	13 - 47
Pulmonary Disease	103	21	17 - 36	101	33	16 - 37
Renal Failure	5	40	4 - 80	3	33	3 - 87
Severe Acute Heart Disease	89	46	29 - 52	60	42	26 - 52
Severe Chronic Heart Disease	82	28	14 - 34	99	16	14 - 30
Severe Trauma	3	33	2 - 86	0	-	-
Gastrointestinal Disease	94	7	1 - 16	82	2	1 - 12
Gynecologic Disease	22	5	0 -100	23	0	0 -100
Low-Risk Heart Disease	170	4	2 - 9	167	3	1 - 8
Musculoskeletal/Skin Conditions	182	3	1 - 8	197	2	1 - 7
Neuropsychiatric/Sensory Disease	27	4	1 - 27	31	10	0 - 72
Urologic Disease	83	1	0 - 13	76	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	199
Occupancy Rate (%):	67
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	122
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	173
Licensed Practical Nurses:	88

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

October 24, 1988

GOOD SAMARITAN HOSPITAL

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

Good Samaritan Hospital has reviewed the selected mortality data for Medicare patients treated in our facility in 1987. Our actual percentage of deaths is within the predicted range that was generated by the HCFA statistical model employed for each of the 16 diagnostic categories studied. In addition, our overall mortality rate is within HCFA's predicted range for all causes of death.

Good Samaritan Hospital's medical staff routinely conducts intensive reviews of patients who expire in our facility. The generation of mortality statistical data by HCFA is of minimal use to our organization, because mortality review is an integral component of our quality assurance and peer review activities designed to ensure that patient care is appropriate and that state-of-the-art services are delivered. In fact our quality assurance program was declared one of the best in the country by the JCAHO during its survey in 1987 of our organization.

Good Samaritan Hospital and its medical staff will continue to review all mortality cases for quality and appropriateness of care rendered to individual patients. This endeavor assists us in identifying opportunities where we can improve the manner in which we care for patients.

We submit that the release of this information to the public provides healthcare consumers with information that is of minimal utility. Moreover, while health service providers continually search for ways to deliver higher quality services in the most cost effective manner, exercises such as the HCFA Mortality analysis, offer no operational application and appear to be wasting scarce resources.

Sincerely,

David K Hamry

David K. Hamry, FACHE
President

DKH/sd

cc: Charles Jacobson, M.D., President, Medical Staff

GRAYS HARBOR COMMUNITY HOSPITAL

915 ANDERSON DRIVE
ABERDEEN, WA 98520

Medicare Hospital Provider Number: 500031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	899	14	9 - 15	857	12	9 - 14
Cancer	22	32	17 - 57	22	36	16 - 57
Cerebrovascular Accidents	38	32	13 - 44	45	33	16 - 44
Gastrointestinal Catastrophes	7	43	10 - 75	9	11	14 - 64
Infectious Disease	6	50	5 - 74	6	50	6 - 75
Metabolic/Electrolyte Disorders	13	31	12 - 62	15	20	8 - 53
Pulmonary Disease	63	19	14 - 36	39	23	10 - 39
Renal Failure	1	0	0 - 98	0	-	-
Severe Acute Heart Disease	38	39	21 - 53	39	41	23 - 55
Severe Chronic Heart Disease	62	18	16 - 36	51	25	14 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	90	7	0 - 19	64	5	0 - 22
Gynecologic Disease	16	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	74	5	1 - 17	85	7	0 - 21
Musculoskeletal/Skin Conditions	61	2	0 - 18	73	1	0 - 14
Neuropsychiatric/Sensory Disease	19	11	0 - 59	15	7	0 - 99
Urologic Disease	44	0	0 - 22	51	0	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	48
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	65
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GROUP HEALTH HOSPITAL

201 16TH AVE E
SEATTLE, WA 98102

Medicare Hospital Provider Number: 500052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,226	10	9 - 13	5,505	8	7 - 11
Cancer	177	41	31 - 51	198	38	31 - 50
Cerebrovascular Accidents	190	16	19 - 32	178	15	20 - 33
Gastrointestinal Catastrophes	21	29	17 - 58	34	38	20 - 56
Infectious Disease	44	32	23 - 54	36	19	19 - 49
Metabolic/Electrolyte Disorders	58	28	11 - 41	61	36	14 - 43
Pulmonary Disease	154	22	19 - 35	188	27	19 - 35
Renal Failure	18	44	14 - 70	8	13	14 - 75
Severe Acute Heart Disease	130	28	27 - 46	119	39	28 - 48
Severe Chronic Heart Disease	171	24	16 - 31	189	26	18 - 33
Severe Trauma	8	0	10 - 54	7	29	5 - 70
Gastrointestinal Disease	215	4	2 - 8	390	2	1 - 5
Gynecologic Disease	72	0	0 -100	94	0	0 - 99
Low-Risk Heart Disease	417	3	2 - 5	421	2	2 - 5
Musculoskeletal/Skin Conditions	563	2	1 - 4	767	2	1 - 4
Neuropsychiatric/Sensory Disease	198	4	1 - 9	590	1	1 - 4
Urologic Disease	233	0	0 - 4	264	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	346
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	240
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	Yes

HARBORVIEW MEDICAL CENTER

325 9TH AVENUE
SEATTLE, WA 98104

Medicare Hospital Provider Number: 500064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,086	18	10 - 15	1,130	16	9 - 14
Cancer	20	35	20 - 62	20	45	17 - 60
Cerebrovascular Accidents	57	47	14 - 41	61	38	14 - 40
Gastrointestinal Catastrophes	13	38	12 - 64	15	60	12 - 61
Infectious Disease	13	54	11 - 63	15	60	18 - 66
Metabolic/Electrolyte Disorders	15	20	5 - 52	16	19	2 - 51
Pulmonary Disease	59	24	11 - 35	60	18	10 - 33
Renal Failure	6	33	4 - 77	9	44	6 - 73
Severe Acute Heart Disease	66	61	26 - 51	57	56	25 - 52
Severe Chronic Heart Disease	50	24	11 - 36	47	32	13 - 40
Severe Trauma	30	50	13 - 53	27	44	10 - 52
Gastrointestinal Disease	33	3	0 - 41	36	6	0 - 42
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	68	7	0 - 22	48	2	1 - 17
Musculoskeletal/Skin Conditions	122	4	0 - 16	160	3	0 - 10
Neuropsychiatric/Sensory Disease	94	1	0 - 10	112	2	0 - 10
Urologic Disease	9	0	0 -100	21	5	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	312
Occupancy Rate (%):	89
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	555
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	478
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Response for Publication
Medicare Mortality Report

Harborview is a Level I trauma center and a major regional referral center providing care for many critically injured patients from Washington, Alaska, Montana, and Idaho. In addition, as a public hospital, we care for large numbers of patients who are socially disadvantaged to the extent that it has a major impact on their health.

Overall Mortality Rate

The overall mortality rate is slightly higher than that predicted. As will be discussed below, we believe a substantial component of mortality relates to factors not included in your adjustment equations for severity of illness.

Severe Trauma

Our predicted mortality was in the expected range. However, we note a major data problem in that your system misses large numbers of severely injured patients. Our trauma registry identified 73 Medicare patients with an injury severity score (ISS) 7, 15 and 41 with an ISS greater than 24. The ISS is the best measure of severe trauma and is entirely missed by the HFCA system.

Severe Acute Heart Disease

Harborview had a higher than predicted mortality in this category for 1987. We note that in your revised predicted equations, we now have a slightly higher than predicted mortality for 1986 as well--although that was not the case when the data were released last year. The excess death rate relates entirely to the fact that we are a major center for the nation's leading emergency medical system--Medic One--and receive significant numbers of patients who have suffered out-of-hospital cardiac arrests prior to admission. While we have an excellent record of caring for such patients, there will be a much higher death rate in this group of patients than in all other groups of patients in the category, "Severe Acute Heart Disease." Twenty-eight patients were admitted immediately following out-of-hospital cardiac arrest, and had an average age of 72 years. They represent 42 percent of admissions in this diagnostic group, a rate greatly exceeding that of virtually any other hospital in the nation. Unfortunately, your report does not provide data for a similar group of patients. Our mortality rate for a more representative other group of patients in this category was 45 percent, and well within your predicted mortality range.

Cerebrovascular Accidents

It is unfortunate the HCFA adjustment for severity lacks the most critical factor of severity of illness--whether or not patients are in coma on admission. We reviewed a random sample of patients. Eighty-two percent of the deaths occurred in patients who were comatose on admission. Most also had other major chronic medical conditions. Two non-comatose patients who died were reviewed. One had a subarachnoid hemorrhage, but eventually died, presumably related to subsequent arterial vasospasm. The second was 80 years old and experienced unexplained sudden death on the sixth hospital day, but no deficiencies in the provision of care can be identified.

Summary

Based on detailed clinical review, the higher than predicted death rate in two patient care categories relates entirely to the understandable--yet unfortunate--lack of optimal clinical severity adjusters on discharge data routinely gathered by HCFA. We recommend you consider incorporating a Glasgow coma score for patients in the category of cerebrovascular accidents; an adjuster for out-of-hospital cardiac arrests for patients in the category of severe acute heart disease; and use of the ISS to best categorize severity of illness for trauma patients.

Sincerely,

David W. Gitch

James P. LoGerfo, M.D.
Medical Director
Harborview Medical Center

David Gitch
Administrator
Harborview Medical Center

JPL:mg/COR2:220

HARRISON MEMORIAL HOSPITAL

2520 CHERRY AVENUE
BREMERTON, WA 98310

Medicare Hospital Provider Number: 500039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,658	12	9 - 14	2,839	11	9 - 13
Cancer	62	48	30 - 58	79	46	30 - 55
Cerebrovascular Accidents	93	26	17 - 36	104	23	18 - 36
Gastrointestinal Catastrophes	17	53	20 - 67	13	38	15 - 67
Infectious Disease	37	27	19 - 51	39	28	19 - 51
Metabolic/Electrolyte Disorders	34	21	14 - 47	56	18	12 - 39
Pulmonary Disease	151	29	18 - 35	146	27	18 - 36
Renal Failure	11	36	13 - 75	11	27	13 - 73
Severe Acute Heart Disease	114	32	29 - 49	109	39	30 - 50
Severe Chronic Heart Disease	110	21	17 - 34	107	19	16 - 33
Severe Trauma	2	100	1 - 90	2	0	1 - 91
Gastrointestinal Disease	184	7	1 - 10	193	4	1 - 8
Gynecologic Disease	37	0	0 -100	24	0	0 -100
Low-Risk Heart Disease	280	3	1 - 6	321	4	2 - 7
Musculoskeletal/Skin Conditions	251	3	0 - 7	336	3	1 - 6
Neuropsychiatric/Sensory Disease	84	1	0 - 11	100	5	0 - 20
Urologic Disease	167	1	0 - 10	155	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 222
Occupancy Rate (%): 73
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 157
Percent of Physicians Who Are Board Certified Specialists: 85
Interns and Residents: 0
Registered Nurses: 165
Licensed Practical Nurses: 63

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HARRISON
MEMORIAL HOSPITAL
The peninsula's most complete medical center.

October 17, 1988 Medicare Provider #: 500039

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Please include the following comments from Harrison Memorial Hospital in the December publication of the Medical Hospital Mortality Information (1987):

A. Note that there were only two cases in the "Severe Trauma" category. The events in these cases were as follows:

1. An 87 year-old was admitted for treatment of a broken hip after being found in her home the day after a fall. The hip injury was treated without difficulty, but she began to have severe heart rhythm abnormalities and died following a sudden cardiac arrest which could not be reversed.

2. A 73 year-old was admitted after falling down stairs, suffering a skull fracture and severe intracranial bleeding. Because of the extent of brain damage her prognosis was extremely poor by the time she arrived at the hospital, regardless of how intensively she might be treated. She died on the day after admission.

B. The "Hospital Characteristics" information is incorrect. The number of beds is 222; the number of registered nurses per bed is 0.79 and the number of licensed practical nurses per bed is 0.33. The hospital does not have a Shock/Trauma Unit nor an Organ Transplant Service; it does have a Coronary Care Unit.

Sincerely,

W Bradley

R. W. Bradley
President

HIGHLINE COMMUNITY HOSPITAL

16251 SYLVESTER RD SW
SEATTLE, WA 98166

Medicare Hospital Provider Number: 500011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,249	15	11 - 16	1,111	16	11 - 17
Cancer	50	46	30 - 60	41	56	32 - 65
Cerebrovascular Accidents	45	27	16 - 43	45	27	17 - 44
Gastrointestinal Catastrophes	15	47	14 - 63	14	36	20 - 69
Infectious Disease	9	33	13 - 70	19	37	16 - 60
Metabolic/Electrolyte Disorders	11	18	7 - 58	20	20	9 - 49
Pulmonary Disease	74	28	17 - 40	63	38	17 - 43
Renal Failure	7	43	18 - 87	3	67	7 - 90
Severe Acute Heart Disease	55	53	25 - 53	47	45	25 - 55
Severe Chronic Heart Disease	82	26	13 - 33	65	26	14 - 36
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	59	5	1 - 19	54	2	1 - 15
Gynecologic Disease	24	4	0 -100	14	0	0 - 96
Low-Risk Heart Disease	136	2	1 - 8	125	2	1 - 8
Musculoskeletal/Skin Conditions	82	2	1 - 12	91	2	1 - 10
Neuropsychiatric/Sensory Disease	23	9	2 - 33	16	6	0 -100
Urologic Disease	63	2	0 - 17	59	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	102
Occupancy Rate (%):	65
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	155
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY FAMILY HOSPITAL

N 5633 LIDGERWOOD
SPOKANE, WA 99207

Medicare Hospital Provider Number: 500077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,833	14	11 - 15	1,835	14	10 - 15
Cancer	79	38	27 - 52	75	39	30 - 56
Cerebrovascular Accidents	91	23	17 - 36	85	34	19 - 40
Gastrointestinal Catastrophes	10	60	13 - 70	10	60	11 - 68
Infectious Disease	20	15	19 - 55	24	29	23 - 62
Metabolic/Electrolyte Disorders	25	32	9 - 49	10	40	3 - 65
Pulmonary Disease	108	32	17 - 37	112	34	16 - 37
Renal Failure	7	57	14 - 82	3	67	8 - 90
Severe Acute Heart Disease	73	41	29 - 53	62	55	28 - 54
Severe Chronic Heart Disease	107	28	14 - 32	104	23	16 - 34
Severe Trauma	1	100	1 - 97	2	0	0 - 95
Gastrointestinal Disease	112	4	2 - 11	119	8	1 - 15
Gynecologic Disease	23	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	176	3	1 - 8	188	3	2 - 7
Musculoskeletal/Skin Conditions	199	4	1 - 8	215	1	1 - 5
Neuropsychiatric/Sensory Disease	37	5	0 - 48	33	0	0 - 25
Urologic Disease	80	1	0 - 11	77	1	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	164
Occupancy Rate (%):	52
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	115
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	157
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOSPICE CARE CENTER HOSPITAL

1035 - 11TH AVENUE
LONGVIEW , WA 98632

Medicare Hospital Provider Number: 500140

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	12	75	11 - 59	1	100	3 -100
Cancer	6	67	13 - 79	1	100	3 -100
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	1	100	1 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	4
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	3
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

HUMANA HOSPITAL-TACOMA

S 19TH & UNION (BOX 11414)
TACOMA, WA 98411

Medicare Hospital Provider Number: 500042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,251	12	9 - 14	1,160	12	9 - 14
Cancer	57	42	28 - 56	46	41	28 - 59
Cerebrovascular Accidents	49	24	16 - 41	41	22	16 - 42
Gastrointestinal Catastrophes	12	25	13 - 63	16	38	16 - 63
Infectious Disease	17	18	17 - 57	10	30	14 - 68
Metabolic/Electrolyte Disorders	11	27	5 - 60	27	22	6 - 43
Pulmonary Disease	59	24	11 - 35	63	25	16 - 40
Renal Failure	2	100	6 - 91	5	40	6 - 82
Severe Acute Heart Disease	44	55	25 - 56	24	42	25 - 64
Severe Chronic Heart Disease	47	19	9 - 34	43	21	12 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	95	5	1 - 14	99	5	1 - 13
Gynecologic Disease	9	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	95	7	1 - 15	76	5	1 - 16
Musculoskeletal/Skin Conditions	109	3	0 - 11	92	8	0 - 30
Neuropsychiatric/Sensory Disease	112	1	1 - 8	104	0	0 - 7
Urologic Disease	36	0	0 - 84	48	4	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	155
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

Humana Hospital
Tacoma

October 20, 1988 MEDICARE # 50-00-42

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert,

I appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance program.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

I also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

I am very proud of our quality assurance program that is in place at Humana Hospital-Tacoma; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The quality assurance staff has reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider "standard" ranges.

I also am concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

Specifically, all categories listed were reviewed and we have determined that under the diagnostic category "Renal Failure", the cases were reviewed by the hospital's Quality Assurance Coordinator and Medical Staff members. The review indicates that one death occurred during hospital stay and care was found to be appropriate and the death unavoidable. The second death occurred after discharge of a terminally ill patient to Hospice Services upon family request. In this case care rendered within hospital stay was found appropriate and the death unavoidable. I believe the limited number of cases in this category renders any statistical inference to be rather meaningless when addressing the overall quality of care provided at our hospital.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Sharon Armstrong

Sharon Armstrong
Executive Director
Humana Hospital-Tacoma

SA/lms

ISLAND HOSPITAL

24TH & 'M' AVE
ANACORTES, WA 98221

Medicare Hospital Provider Number: 500007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	522	15	9 - 16	568	13	9 - 15
Cancer	22	41	21 - 62	19	68	19 - 61
Cerebrovascular Accidents	33	33	13 - 46	15	27	14 - 58
Gastrointestinal Catastrophes	1	0	1 - 97	6	50	8 - 76
Infectious Disease	4	100	25 - 89	8	63	15 - 75
Metabolic/Electrolyte Disorders	12	25	6 - 58	4	25	11 - 85
Pulmonary Disease	36	31	13 - 45	32	22	11 - 42
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	12	42	19 - 71	20	20	25 - 62
Severe Chronic Heart Disease	24	21	11 - 45	19	21	9 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	40	2	0 - 30	36	3	0 - 29
Gynecologic Disease	7	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	56	5	1 - 19	62	5	1 - 17
Musculoskeletal/Skin Conditions	37	5	0 - 73	58	7	0 - 24
Neuropsychiatric/Sensory Disease	10	20	0 -100	10	10	0 - 75
Urologic Disease	31	3	0 - 98	41	0	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 44
Occupancy Rate (%): 41
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

JEFFERSON GENERAL HOSPITAL

NINTH & SHERIDAN
PORT TOWNSEND, WA 98368

Medicare Hospital Provider Number: 500059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	406	8	8 - 14	380	15	9 - 17
Cancer	12	58	18 - 70	12	92	30 - 70
Cerebrovascular Accidents	20	10	15 - 45	19	53	18 - 61
Gastrointestinal Catastrophes	0	-	-	5	20	7 - 75
Infectious Disease	8	0	12 - 54	5	20	6 - 75
Metabolic/Electrolyte Disorders	5	20	4 - 74	2	50	0 - 98
Pulmonary Disease	24	17	10 - 42	19	21	7 - 47
Renal Failure	0	-	-	2	0	2 - 90
Severe Acute Heart Disease	13	31	18 - 66	12	17	20 - 64
Severe Chronic Heart Disease	20	20	8 - 45	22	32	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	0	0 - 24	21	0	1 - 27
Gynecologic Disease	8	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	42	5	0 - 29	30	0	0 - 22
Musculoskeletal/Skin Conditions	29	0	0 - 33	31	3	0 - 34
Neuropsychiatric/Sensory Disease	22	0	0 - 92	27	0	0 - 51
Urologic Disease	39	0	0 - 28	35	3	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	35
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	46
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Jefferson General Hospital
Port Townsend, Washington

Provider Number: 50-0059

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

KADLEC MEDICAL CENTER

888 SWIFT BLVD
RICHLAND, WA 99352

Medicare Hospital Provider Number: 500058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	904	12	9 - 14	917	12	8 - 14
Cancer	38	45	23 - 56	24	75	26 - 62
Cerebrovascular Accidents	30	27	13 - 46	38	18	16 - 42
Gastrointestinal Catastrophes	11	27	12 - 64	7	71	11 - 73
Infectious Disease	2	50	0 - 95	6	33	9 - 75
Metabolic/Electrolyte Disorders	8	38	4 - 68	15	27	5 - 54
Pulmonary Disease	37	35	15 - 47	39	26	8 - 38
Renal Failure	5	20	11 - 82	0	-	-
Severe Acute Heart Disease	46	46	26 - 56	41	34	24 - 54
Severe Chronic Heart Disease	46	13	11 - 33	39	28	13 - 43
Severe Trauma	2	50	1 - 93	4	25	3 - 80
Gastrointestinal Disease	67	3	0 - 18	64	0	1 - 9
Gynecologic Disease	11	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	84	4	1 - 12	75	4	1 - 15
Musculoskeletal/Skin Conditions	112	2	0 - 12	120	0	0 - 5
Neuropsychiatric/Sensory Disease	35	0	0 - 23	32	3	0 - 77
Urologic Disease	51	0	0 - 42	66	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	144
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	79
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	152
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KADLEC
MEDICAL CENTER
888 SWIFT BLVD.
RICHLAND, WA 99352
TELEPHONE 509/946-4611

Medicare Provider #: 5000058

COMMENTS ON HCFA MORTALITY DATA - 1987 Cases

The data used by HCFA indicate 904 Medicare patients were admitted to Kadlec Medical Center with 110 dying within 30 days of admission. Our own records show 84 Medicare patients died while inpatients at the facility. Presumably the discrepancy reflects patients who died after being discharged from Kadlec Medical Center.

We have verified that, in addition to the 84 patients who died while an inpatient at the facility, the remaining 26 reported deaths were for patients who were hospitalized at Kadlec Medical Center at least once during 1987. It is impossible to determine whether any of these 26 patients are, in fact, still alive as information concerning deaths after discharge is not included in the patient's hospital medical record.

Without detailed information concerning the billing data available to HCFA in computing the predicted mortality rate and actual rates, it is impossible to verify the accuracy of the diagnostic or other data used in the analysis. We do note that the patients were grouped into diagnostic categories based on principal diagnosis and procedures. This may not always accurately reflect the actual cause of death.

Kadlec's actual mortality rate for 1987 is within the predicted range for all categories. However, the comparative data for 1986 does not coincide with the data published last year. This year it shows the actual mortality rate for Cancer patients to be 75%; last year's publication put this at 37%. This year's data shows the actual mortality rate for GI catastrophes to be 71% while last year's publication put this at 13%. Without updated data from HCFA, we are unable to analyze these changes for 1986 cases.

Finally, we must emphasize that the HCFA data are not, in themselves, measures of a hospital's performance or its quality of care. The inclusion of patients who died after discharge from a hospital may result in the attribution to that facility of deaths that are unrelated to the condition for which the patient was under treatment at the time of discharge or that resulted from post-discharge care that was outside the scope of the hospital services.

pl

KENNEWICK GENERAL HOSPITAL

900 SOUTH AUBURN ST
KENNEWICK, WA 99336

Medicare Hospital Provider Number: 500053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	482	18	9 - 17	570	15	10 - 17
Cancer	13	69	16 - 65	18	44	18 - 63
Cerebrovascular Accidents	17	35	11 - 55	23	30	15 - 53
Gastrointestinal Catastrophes	6	17	9 - 71	7	43	4 - 71
Infectious Disease	5	20	8 - 76	4	50	7 - 83
Metabolic/Electrolyte Disorders	18	28	10 - 54	5	20	9 - 77
Pulmonary Disease	19	32	12 - 54	35	29	15 - 46
Renal Failure	2	50	4 - 93	1	0	1 - 97
Severe Acute Heart Disease	26	50	20 - 58	33	39	24 - 58
Severe Chronic Heart Disease	34	21	9 - 38	30	13	14 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	8	0 - 75	35	6	0 - 37
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	44	7	1 - 26	41	5	0 - 30
Musculoskeletal/Skin Conditions	36	0	0 - 35	60	5	0 - 41
Neuropsychiatric/Sensory Disease	5	20	0 -100	12	0	0 - 99
Urologic Disease	32	0	0 - 97	50	8	0 - 84

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	46
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	57
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	68
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KITTITAS VALLEY COMMUNITY HOSPITAL

603 S CHESTNUT
ELLENSBURG, WA 98926

Medicare Hospital Provider Number: 500110

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	351	12	9 - 17	356	16	9 - 18
Cancer	5	60	9 - 80	5	40	9 - 80
Cerebrovascular Accidents	16	31	12 - 57	21	52	11 - 53
Gastrointestinal Catastrophes	3	33	4 - 86	4	75	7 - 81
Infectious Disease	7	29	9 - 71	6	17	13 - 74
Metabolic/Electrolyte Disorders	7	14	9 - 67	3	33	1 - 89
Pulmonary Disease	18	17	11 - 48	19	47	9 - 53
Renal Failure	0	-	-	2	0	8 - 93
Severe Acute Heart Disease	24	25	18 - 53	34	29	21 - 52
Severe Chronic Heart Disease	16	13	11 - 47	18	6	10 - 38
Severe Trauma	1	100	0 -100	1	0	0 - 98
Gastrointestinal Disease	29	3	0 - 42	25	0	0 - 50
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	35	3	0 - 27	33	3	0 - 28
Musculoskeletal/Skin Conditions	42	2	0 - 27	41	5	0 - 39
Neuropsychiatric/Sensory Disease	3	0	0 - 95	15	13	0 - 92
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	37
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

KLICKITAT VALLEY HOSPITAL

ROOSEVELT & 'A' STS
GOLDENDALE, WA 98620

Medicare Hospital Provider Number: 500085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	137	12	8 - 20	144	21	8 - 22
Cancer	7	57	11 - 75	3	100	14 - 86
Cerebrovascular Accidents	7	29	7 - 70	4	50	1 - 84
Gastrointestinal Catastrophes	1	0	3 - 99	1	0	2 - 98
Infectious Disease	2	50	0 - 95	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	0	1 - 97
Pulmonary Disease	18	28	11 - 53	14	36	6 - 56
Renal Failure	0	-	-	2	100	7 - 91
Severe Acute Heart Disease	2	0	5 - 89	14	57	20 - 69
Severe Chronic Heart Disease	3	0	0 - 88	6	50	7 - 75
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 61	17	6	0 - 66
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	18	0	0 - 62	24	0	0 - 34
Musculoskeletal/Skin Conditions	8	0	0 - 97	12	0	0 - 95
Neuropsychiatric/Sensory Disease	7	0	0 -100	4	0	0 -100
Urologic Disease	7	0	0 - 99	4	0	0 - 84

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	21
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAKE CHELAN COMMUNITY HOSPITAL

503 E HIGHLAND
CHELAN, WA 98816

Medicare Hospital Provider Number: 500092

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	103	13	10 - 23	114	4	6 - 14
Cancer	4	100	15 - 78	3	33	5 - 86
Cerebrovascular Accidents	5	20	3 - 74	8	13	9 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	100	3 - 88	2	0	1 - 90
Metabolic/Electrolyte Disorders	0	-	-	3	0	0 - 96
Pulmonary Disease	8	13	6 - 59	3	0	1 - 85
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	10	30	14 - 68	0	-	-
Severe Chronic Heart Disease	6	33	4 - 73	5	0	2 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	12	8	0 - 78
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	16	0	0 - 42	12	0	0 - 84
Musculoskeletal/Skin Conditions	7	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	12	0	0 - 50
Urologic Disease	4	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 34
Occupancy Rate (%): 29
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAKEWOOD GENERAL HOSPITAL

5702 100TH STREET SW
TACOMA, WA 98499

Medicare Hospital Provider Number: 500021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	629	14	9 - 16	721	13	9 - 15
Cancer	17	47	22 - 68	18	22	21 - 61
Cerebrovascular Accidents	25	4	15 - 37	29	41	13 - 49
Gastrointestinal Catastrophes	4	25	4 - 80	6	67	14 - 80
Infectious Disease	13	31	16 - 65	3	0	4 - 79
Metabolic/Electrolyte Disorders	7	0	2 - 57	8	25	2 - 67
Pulmonary Disease	50	34	13 - 41	42	19	12 - 39
Renal Failure	4	75	8 - 84	0	-	-
Severe Acute Heart Disease	32	47	19 - 53	42	57	23 - 54
Severe Chronic Heart Disease	33	24	8 - 39	42	21	11 - 38
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	49	4	0 - 34	50	2	0 - 20
Gynecologic Disease	12	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	58	3	0 - 18	48	2	1 - 16
Musculoskeletal/Skin Conditions	63	0	0 - 10	80	1	0 - 12
Neuropsychiatric/Sensory Disease	5	20	0 -100	9	11	0 - 92
Urologic Disease	14	0	0 - 83	35	6	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

LINCOLN HOSPITAL

10 NICHOLS STREET
DAVENPORT, WA 99122

Medicare Hospital Provider Number: 500089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	130	15	10 - 23	139	12	9 - 20
Cancer	3	100	18 - 90	3	33	5 - 87
Cerebrovascular Accidents	7	57	6 - 71	6	33	3 - 73
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	3	0	4 - 79	2	0	0 - 93
Metabolic/Electrolyte Disorders	6	17	4 - 69	4	0	4 - 71
Pulmonary Disease	14	14	10 - 50	7	29	7 - 69
Renal Failure	1	0	3 - 99	0	-	-
Severe Acute Heart Disease	8	50	21 - 81	13	23	15 - 61
Severe Chronic Heart Disease	13	23	9 - 55	10	30	6 - 61
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	7	0	0 -100	12	0	0 -100
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	9	11	0 -100	13	0	0 - 72
Musculoskeletal/Skin Conditions	5	0	0 -100	4	25	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	7	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	83
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Lincoln Hospital Dist. 3

Neighbors for Life

MEDICARE HOSPITAL MORTALITY INFORMATION

HOSPITAL COMMENTS:

Lincoln Hospital is a 93 bed facility which serves acute care and long term care patients. Lincoln Hospital has an active hospital-wide quality assurance program that reviews the appropriateness of care provided by our facility. The mortality statistics presented by medicare show that Lincoln Hospital falls well within the range for predicted mortality for the diagnostic categories reviewed. It should be noted that inpatient hospital stays for cancer patients include terminal patients that are admitted during their final days and often expire while an inpatient at the hospital. This fact normally causes the mortality statistics for cancer patients to be higher than other diagnostic categories.

MADIGAN GEN HOSP

TACOMA, WA 98431

Medicare Hospital Provider Number: 50005F

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	0	0 -100	1	100	0 -100
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA (not available)

Total Beds (#):	560
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARK REED HOSPITAL

322 S BIRCH (PO BOX 28)
MC CLEARY, WA 98557

Medicare Hospital Provider Number: 500061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	28	14	8 - 36	121	14	12 - 25
Cancer	0	-	-	3	0	13 - 85
Cerebrovascular Accidents	1	0	0 - 97	3	0	6 - 80
Gastrointestinal Catastrophes	0	-	-	1	0	0 -100
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	2	50	6 - 95
Pulmonary Disease	10	10	12 - 57	36	14	11 - 38
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	1	0	1 - 97	7	14	15 - 71
Severe Chronic Heart Disease	1	100	1 - 97	13	31	9 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	10	0	0 - 95
Musculoskeletal/Skin Conditions	1	0	0 -100	5	0	0 - 99
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	50	0 -100
Urologic Disease	3	33	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	18
Occupancy Rate (%):	7
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MASON GENERAL HOSPITAL

2100 SHERWOOD LANE
SHELTON, WA 98584

Medicare Hospital Provider Number: 500118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	500	10	9 - 15	567	12	10 - 16
Cancer	12	17	16 - 61	14	64	27 - 75
Cerebrovascular Accidents	15	13	15 - 53	21	24	14 - 51
Gastrointestinal Catastrophes	7	71	5 - 70	3	33	5 - 86
Infectious Disease	9	0	16 - 54	2	50	2 - 92
Metabolic/Electrolyte Disorders	6	50	4 - 75	14	21	7 - 54
Pulmonary Disease	30	23	14 - 46	38	32	13 - 44
Renal Failure	1	100	3 - 99	2	100	9 - 94
Severe Acute Heart Disease	16	38	14 - 60	30	37	25 - 60
Severe Chronic Heart Disease	31	10	14 - 38	43	23	11 - 37
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	41	5	1 - 22	51	8	0 - 31
Gynecologic Disease	6	0	0 -100	10	0	0 - 93
Low-Risk Heart Disease	61	3	1 - 14	77	3	1 - 12
Musculoskeletal/Skin Conditions	48	0	0 - 15	45	0	1 - 12
Neuropsychiatric/Sensory Disease	7	0	0 -100	9	11	0 -100
Urologic Disease	23	4	0 - 92	18	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	58
Occupancy Rate (%):	(not available)
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

MEDICAL-DENTAL BUILDING HOSPITAL

509 OLIVE WAY
SEATTLE, WA 98101

Medicare Hospital Provider Number: 500066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5	0	0 -100	40	0	0 - 22
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	1	0	0 -100
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	0	-	-	3	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	28	0	0 - 70
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	0
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL-ODESSA

502 E AMENDE
ODESSA, WA 99159

Medicare Hospital Provider Number: 500080

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	25	8	6 - 32	16	12	2 - 44
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	3	0	5 - 79	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	1	0	0 -100
Pulmonary Disease	2	0	2 - 88	0	-	-
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	0	-	-	1	0	2 - 97
Severe Chronic Heart Disease	4	25	3 - 80	1	0	2 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	4	0	0 -100
Musculoskeletal/Skin Conditions	3	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	61
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL-PULLMAN

WASHINGTON AVE
PULLMAN, WA 99163

Medicare Hospital Provider Number: 500065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	175	8	7 - 16	210	8	7 - 15
Cancer	3	67	9 - 89	4	50	11 - 87
Cerebrovascular Accidents	4	25	2 - 80	6	17	5 - 68
Gastrointestinal Catastrophes	1	0	3 - 98	2	0	5 - 89
Infectious Disease	4	0	9 - 73	0	-	-
Metabolic/Electrolyte Disorders	4	0	3 - 72	3	33	1 - 88
Pulmonary Disease	9	44	3 - 66	15	33	13 - 60
Renal Failure	1	100	2 - 98	1	100	3 - 99
Severe Acute Heart Disease	10	20	19 - 69	1	0	0 - 97
Severe Chronic Heart Disease	7	29	2 - 70	5	20	4 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	5	0 - 51	12	8	0 - 95
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	17	0	0 - 42	12	8	0 - 89
Musculoskeletal/Skin Conditions	33	0	0 - 46	31	0	0 - 53
Neuropsychiatric/Sensory Disease	5	0	0 -100	7	0	0 -100
Urologic Disease	7	0	0 -100	9	0	0 - 75

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 42
Occupancy Rate (%): 33
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 40
Percent of Physicians Who Are Board Certified Specialists: 35
Interns and Residents: 0
Registered Nurses: 35
Licensed Practical Nurses: 3

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MID-VALLEY HOSPITAL

810 VALLEY WAY
OMAK, WA 98841

Medicare Hospital Provider Number: 500071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	193	10	8 - 18	243	11	7 - 16
Cancer	4	50	13 - 88	7	29	13 - 75
Cerebrovascular Accidents	9	44	6 - 66	10	50	8 - 65
Gastrointestinal Catastrophes	2	0	3 - 88	0	-	-
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	4	0	0 - 83	4	25	0 - 87
Pulmonary Disease	18	11	10 - 44	12	8	5 - 47
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	10	50	10 - 67	15	13	19 - 57
Severe Chronic Heart Disease	15	13	7 - 46	15	27	7 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 - 93	14	0	0 - 85
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	14	0	0 - 90	26	8	0 - 54
Musculoskeletal/Skin Conditions	12	8	0 - 98	25	0	0 - 46
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	0	0 - 99
Urologic Disease	9	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	23
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MONTICELLO MEDICAL CENTER

600 BROADWAY
LONGVIEW, WA 98632

Medicare Hospital Provider Number: 500070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	99	17	7 - 23	364	10	8 - 15
Cancer	1	100	2 - 98	3	33	7 - 88
Cerebrovascular Accidents	1	100	0 - 98	16	31	9 - 54
Gastrointestinal Catastrophes	1	0	3 - 98	4	75	6 - 81
Infectious Disease	2	0	2 - 89	5	20	3 - 74
Metabolic/Electrolyte Disorders	4	50	6 - 83	3	0	0 - 96
Pulmonary Disease	9	0	8 - 47	23	13	13 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	50	15 - 82	20	35	18 - 59
Severe Chronic Heart Disease	5	60	2 - 78	20	10	8 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	18	0 -100	27	7	0 - 70
Gynecologic Disease	3	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	10	0	0 - 92	46	2	1 - 16
Musculoskeletal/Skin Conditions	5	0	0 -100	25	4	0 - 50
Neuropsychiatric/Sensory Disease	2	0	0 -100	10	10	0 - 97
Urologic Disease	7	0	0 -100	24	4	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#): 122
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 0
Registered Nurses: 55
Licensed Practical Nurses: 12

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

Kessler Campus
1614 E. Kessler Blvd.
Longview, WA 98632

ST. JOHN'S MEDICAL CENTER

Broadway Campus
600 Broadway
Longview, WA 98632

#500070

William L. Roper, M.D.
Administrator, HHS
Health Care Financing Administration
Washington, D.C. 20201

RE: INCLUSION OF COMMENTS OF MEDICARE HOSPITAL MORTALITY INFORMATION FOR PUBLICATION IN DECEMBER IN THE FEDERAL REGISTER

MONTICELLO MEDICAL CENTER
HOSPITAL ID: #500070

Dr. Roper:

Monticello Medical Center was a 118 bed rural general acute care hospital in Southest Washington; in June, 1987, Health and Hospital Services, the parent corporation for St. John's Hospital in Longview, purchased Monticello Medical Center and merged it with St. John's, forming St. John's Medical Center. The Medicare Mortality Information released by HCFA for Monticello concerns the pre-merger institution only. The case mix for Monticello Medical Center included general medical and surgical patients and intensive care patients, but during the last six months of its independent operation, the occupancy rate was less than 33%.

The medical staff at Monticello reviewed each death that occurred in the hospital as part of its peer review function. The hospital deaths included in HCFA's Medicare mortality listing had been reviewed by the hospital's peer review committees.

Two deaths, occurring in separate diagnostic categories, were above the range for predicted mortality. However, since each patient was the only patient in that diagnostic category for 1987, the mortality rates in cancer and cerebrovascular accident categories were 100%. Statistically, the single-patient size of each of the two categories prevents any attempt to identify a pattern. The HCFA statistics do not reflect how severe the patient's illness was at the time of admission or the severity of existing chronic conditions. In many instances the likelihood of death is related to the terminal nature of the patient's illness and not necessarily to the patient's hospitalization.

The Health Care Financing Administration has stated that the mortality rate by itself "is not a complete measure of the quality of care at an individual hospital". However, the statistics provide an opportunity to focus case investigations in areas where there are variations from the predicted range. The medical staff at Monticello had done this prior to the generation of the data, and reviewed every death that occurred in the hospital. The medical staff at Monticello Medical Center were, with few exceptions, also practicing at St. John's Hospital. Much of the quality assurance focus was similar. Because of this, the medical staff transition and ongoing monitoring of cases previously treated at MMC continued without interruption after the merger of institutions.

I appreciate the opportunity to respond to the release of this information and would hope that additional questions would be addressed to the Community Relations Department at St. John's Medical Center.

Sincerely,

Sr. Anne Hayes
Administrator
St. John's Medical Center

MMC.jc

MORTON GENERAL HOSPITAL

FIFTH & ADAMS
MORTON, WA 98356

Medicare Hospital Provider Number: 500073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	70	11	6 - 23	96	14	7 - 22
Cancer	2	100	7 - 91	4	50	6 - 83
Cerebrovascular Accidents	9	22	6 - 61	4	0	4 - 70
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	3	33	7 - 88
Metabolic/Electrolyte Disorders	1	0	0 -100	3	33	4 - 86
Pulmonary Disease	11	9	7 - 50	5	20	2 - 76
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	0	1 - 97	5	20	9 - 76
Severe Chronic Heart Disease	3	67	4 - 86	5	0	2 - 66
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	8	0	0 - 92
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	3	0	0 -100	5	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	10	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 - 98
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	20
Occupancy Rate (%):	(not available)
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

MOUNT CARMEL HOSPITAL

982 EAST COLUMBIA
COLVILLE, WA 99114

Medicare Hospital Provider Number: 500055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	280	14	8 - 17	313	12	8 - 16
Cancer	5	60	11 - 81	3	33	4 - 86
Cerebrovascular Accidents	13	46	6 - 58	15	40	9 - 57
Gastrointestinal Catastrophes	1	0	0 - 99	2	100	3 - 88
Infectious Disease	3	33	10 - 91	2	50	4 - 93
Metabolic/Electrolyte Disorders	4	0	3 - 72	3	33	1 - 89
Pulmonary Disease	25	32	12 - 49	17	12	9 - 45
Renal Failure	1	0	0 - 98	3	33	3 - 87
Severe Acute Heart Disease	14	43	17 - 66	17	24	17 - 58
Severe Chronic Heart Disease	17	12	11 - 46	20	15	8 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	7	0 - 78	28	4	0 - 81
Gynecologic Disease	7	0	0 -100	0	-	-
Low-Risk Heart Disease	35	6	0 - 32	40	2	0 - 26
Musculoskeletal/Skin Conditions	16	13	0 -100	19	0	0 - 81
Neuropsychiatric/Sensory Disease	8	0	0 -100	17	6	0 - 70
Urologic Disease	5	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	27
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MOUNT LINTON HOSPITAL

103 N. GRANDVIEW
METALINE FALLS, WA 99153

Medicare Hospital Provider Number: 500100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	34	6	7 - 26	27	19	6 - 38
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 97	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 99
Pulmonary Disease	5	20	3 - 74	3	33	4 - 86
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	50	2 - 92	1	0	0 - 98
Severe Chronic Heart Disease	4	0	4 - 70	5	0	8 - 64
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	0	-	-
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	2	0	0 -100	3	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	0	-	-
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	1	0	0 - 99	1	100	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	11
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NEW VALLEY OSTEOPATHIC HOSPITAL

3003 TIETON DRIVE
YAKIMA, WA 98902

Medicare Hospital Provider Number: 500076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	237	8	9 - 16	287	11	7 - 15
Cancer	6	50	13 - 80	5	80	14 - 81
Cerebrovascular Accidents	5	20	6 - 74	7	57	5 - 71
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	5	20	7 - 75	4	50	4 - 82
Metabolic/Electrolyte Disorders	5	40	3 - 78	4	0	0 - 84
Pulmonary Disease	18	17	12 - 49	27	11	8 - 36
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	11	27	14 - 64	15	33	18 - 64
Severe Chronic Heart Disease	17	6	6 - 37	14	21	5 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 60	17	0	0 - 52
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	24	0	0 - 26	26	0	0 - 27
Musculoskeletal/Skin Conditions	25	0	0 - 38	28	4	0 - 51
Neuropsychiatric/Sensory Disease	2	0	0 -100	8	0	0 -100
Urologic Disease	11	0	0 - 96	9	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NEWPORT COMMUNITY HOSPITAL

BOX 669
NEWPORT, WA 99156

Medicare Hospital Provider Number: 500097

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	94	10	10 - 22	96	7	7 - 19
Cancer	1	100	2 - 97	2	0	5 - 89
Cerebrovascular Accidents	6	0	8 - 59	6	0	6 - 57
Gastrointestinal Catastrophes	1	100	0 - 97	2	0	1 - 90
Infectious Disease	1	100	2 - 97	1	0	3 - 99
Metabolic/Electrolyte Disorders	1	0	0 -100	5	0	0 - 85
Pulmonary Disease	12	17	10 - 55	9	22	4 - 61
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	6	17	13 - 74	3	0	11 - 83
Severe Chronic Heart Disease	6	0	10 - 59	4	50	3 - 82
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	6	0	0 -100	7	0	0 - 92
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	9	0	0 - 77	9	11	0 - 95
Musculoskeletal/Skin Conditions	8	0	0 - 86	10	0	0 - 93
Neuropsychiatric/Sensory Disease	3	33	1 - 90	1	0	0 -100
Urologic Disease	3	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	13
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH VALLEY HOSPITAL

SECOND & WESTERN (BOX 488)
TONASKET, WA 98855

Medicare Hospital Provider Number: 500028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	132	16	10 - 23	142	14	9 - 21
Cancer	6	50	9 - 77	3	0	12 - 84
Cerebrovascular Accidents	8	25	7 - 65	5	60	3 - 77
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 98
Infectious Disease	2	50	3 - 92	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 98
Pulmonary Disease	15	13	12 - 51	17	47	9 - 55
Renal Failure	2	100	3 - 89	0	-	-
Severe Acute Heart Disease	9	56	14 - 72	5	40	17 - 87
Severe Chronic Heart Disease	9	22	5 - 61	7	43	7 - 71
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 - 97	10	0	0 - 78
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	23	0	0 - 26	12	0	0 - 76
Musculoskeletal/Skin Conditions	12	0	0 - 79	15	0	0 - 99
Neuropsychiatric/Sensory Disease	3	0	0 - 99	6	0	0 -100
Urologic Disease	6	17	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	83
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHGATE GENERAL HOSPITAL

120 NORTHGATE PLAZA
SEATTLE, WA 98125

Medicare Hospital Provider Number: 500020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	272	11	9 - 17	548	12	10 - 16
Cancer	8	38	19 - 78	7	29	12 - 73
Cerebrovascular Accidents	10	60	13 - 68	26	31	16 - 51
Gastrointestinal Catastrophes	5	80	9 - 77	4	25	6 - 81
Infectious Disease	2	0	3 - 88	3	67	2 - 86
Metabolic/Electrolyte Disorders	6	0	3 - 59	9	22	2 - 66
Pulmonary Disease	20	25	8 - 48	42	24	17 - 45
Renal Failure	0	-	-	2	100	8 - 92
Severe Acute Heart Disease	11	9	14 - 56	32	47	24 - 59
Severe Chronic Heart Disease	15	20	7 - 50	22	36	9 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 99	28	4	0 - 48
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	22	5	0 - 61	52	2	1 - 15
Musculoskeletal/Skin Conditions	31	3	0 - 48	44	5	0 - 43
Neuropsychiatric/Sensory Disease	8	0	0 - 97	19	0	0 - 56
Urologic Disease	10	0	0 -100	32	0	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	87
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NORTHWEST
HOSPITAL

1550 North 115th Street
Seattle, WA 98133 (206) 364-0500

October 21, 1988

Health Standards and Quality Bureau
HCFA
Baltimore, Maryland 21207

Attention: Mrs, Sandra Kappert

Re: Medicare Hospital Mortality Information
for hospitals 50 - 0001 and 50 - 0020

The data reports for the two above hospitals have been reviewed and a problem needs to be noted.

Northgate Hospital 50-0020 closed for inpatient service on May 1, 1987. However, there are 97 patients shown as being admitted after that date, when they were really admitted to Northwest Hospital 50-0001.

This mix up in data was caused when a former Northgate employee working at Northwest Hospital billed Northwest patients under the only provider number she knew (50-0020)-- Northgate. This error was caught several months later and the Manager of the Northwest Hospital Business Office did notify Aetna Medicare and provided them with a list of patient names billed under the wrong#. This error however, has evidently not been corrected all the way down the line or it would not have shown up in the mortality study.

Unfortunately this means the data for Northwest Hospital is also incorrect. Because of this a detailed review of the individual cases was not done this year and the mortality data was not validated.

Thank you for the opportunity to comment.

James Hornell

James Hornell
Executive Director

NORTHWEST HOSPITAL

1550 NORTH 115TH STREET
SEATTLE, WA 98133

Medicare Hospital Provider Number: 500001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,473	10	10 - 14	2,120	12	10 - 15
Cancer	100	28	27 - 49	77	32	29 - 54
Cerebrovascular Accidents	106	22	19 - 36	93	31	17 - 37
Gastrointestinal Catastrophes	20	40	12 - 57	22	32	16 - 57
Infectious Disease	14	29	13 - 61	12	33	21 - 72
Metabolic/Electrolyte Disorders	27	33	12 - 51	32	31	13 - 49
Pulmonary Disease	103	19	18 - 36	91	27	17 - 38
Renal Failure	7	29	16 - 83	14	43	14 - 73
Severe Acute Heart Disease	103	33	32 - 53	84	33	27 - 49
Severe Chronic Heart Disease	119	14	17 - 31	92	25	16 - 35
Severe Trauma	9	0	10 - 52	8	25	7 - 67
Gastrointestinal Disease	145	4	1 - 10	96	5	1 - 13
Gynecologic Disease	37	0	0 -100	34	0	0 -100
Low-Risk Heart Disease	224	4	2 - 8	208	2	2 - 7
Musculoskeletal/Skin Conditions	302	2	1 - 6	240	2	1 - 6
Neuropsychiatric/Sensory Disease	47	2	0 - 32	58	7	0 - 31
Urologic Disease	123	2	0 - 14	135	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#): 194
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 0
Registered Nurses: 231
Licensed Practical Nurses: 27

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

NORTHWEST
HOSPITAL

1550 North 115th Street
Seattle, WA 98133 (206) 364-0500

October 21, 1988

Health Standards and Quality Bureau
HCFA
Baltimore, Maryland 21207

Attention: Mrs, Sandra Kappert

Re: Medicare Hospital Mortality Information
for hospitals 50 - 0001 and 50 - 0020

The data reports for the two above hospitals have been reviewed and a problem needs to be noted.

Northgate Hospital 50-0020 closed for inpatient service on May 1, 1987. However, there are 97 patients shown as being admitted after that date, when they were really admitted to Northwest Hospital 50-0001.

This mix up in data was caused when a former Northgate employee working at Northwest Hospital billed Northwest patients under the only provider number she knew (50-0020)-- Northgate. This error was caught several months later and the Manager of the Northwest Hospital Business Office did notify Aetna Medicare and provided them with a list of patient names billed under the wrong#. This error however, has evidently not been corrected all the way down the line or it would not have shown up in the mortality study.

Unfortunately this means the data for Northwest Hospital is also incorrect. Because of this a detailed review of the individual cases was not done this year and the mortality data was not validated.

Thank you for the opportunity to comment.

James Hornell

James Hornell
Executive Director

OCEAN BEACH HOSPITAL

BOX 368
ILWACO, WA 98624

Medicare Hospital Provider Number: 500096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	211	19	11 - 22	257	12	10 - 19
Cancer	8	50	16 - 77	5	60	11 - 81
Cerebrovascular Accidents	10	30	7 - 62	12	25	10 - 59
Gastrointestinal Catastrophes	5	40	13 - 84	2	0	1 - 91
Infectious Disease	3	67	2 - 86	4	0	5 - 71
Metabolic/Electrolyte Disorders	3	0	2 - 80	3	0	2 - 81
Pulmonary Disease	14	21	11 - 56	28	21	10 - 43
Renal Failure	1	0	2 - 97	1	0	3 - 99
Severe Acute Heart Disease	15	67	17 - 63	17	18	22 - 60
Severe Chronic Heart Disease	24	21	10 - 44	17	35	8 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	6	0 - 96	21	5	0 - 62
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	17	0	0 - 62	33	0	1 - 17
Musculoskeletal/Skin Conditions	4	0	0 -100	8	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	6	17	0 -100
Urologic Disease	6	0	0 -100	17	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	24
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OKANOGAN-DOUGLAS COUNTY HOSPITAL

703 NW SECOND AVENUE
BREWSTER, WA 98812

Medicare Hospital Provider Number: 500107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	252	18	10 - 20	261	13	10 - 19
Cancer	8	100	24 - 65	3	33	10 - 91
Cerebrovascular Accidents	15	47	10 - 58	21	33	14 - 53
Gastrointestinal Catastrophes	3	67	4 - 86	3	33	7 - 88
Infectious Disease	1	0	1 - 97	1	0	0 - 99
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	21	19	14 - 49	16	31	15 - 60
Renal Failure	2	0	9 - 94	0	-	-
Severe Acute Heart Disease	7	71	13 - 74	15	60	25 - 71
Severe Chronic Heart Disease	11	36	6 - 61	8	25	3 - 65
Severe Trauma	1	0	3 -100	0	-	-
Gastrointestinal Disease	20	0	0 - 32	15	0	0 - 58
Gynecologic Disease	6	17	0 -100	6	0	0 -100
Low-Risk Heart Disease	19	0	0 - 43	27	7	0 - 38
Musculoskeletal/Skin Conditions	22	9	0 - 70	25	0	0 - 25
Neuropsychiatric/Sensory Disease	7	0	0 -100	5	0	0 -100
Urologic Disease	14	0	0 - 90	10	0	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	29
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OLYMPIC MEMORIAL HOSPITAL

939 CAROLINE ST
PORT ANGELES, WA 98362

Medicare Hospital Provider Number: 500072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,461	11	9 - 14	1,385	10	9 - 14
Cancer	32	59	25 - 60	35	40	26 - 60
Cerebrovascular Accidents	57	26	16 - 40	54	22	17 - 41
Gastrointestinal Catastrophes	12	17	24 - 70	8	25	6 - 66
Infectious Disease	15	20	8 - 53	14	21	13 - 58
Metabolic/Electrolyte Disorders	19	32	14 - 57	18	28	13 - 56
Pulmonary Disease	101	20	18 - 37	79	19	17 - 37
Renal Failure	5	40	6 - 81	6	50	15 - 87
Severe Acute Heart Disease	50	38	24 - 52	51	37	25 - 53
Severe Chronic Heart Disease	73	18	12 - 32	72	24	14 - 35
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	94	3	1 - 12	82	4	1 - 13
Gynecologic Disease	23	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	227	4	1 - 8	206	4	1 - 8
Musculoskeletal/Skin Conditions	102	1	0 - 9	110	5	0 - 14
Neuropsychiatric/Sensory Disease	59	2	0 - 18	70	0	0 - 10
Urologic Disease	89	0	1 - 7	91	0	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	126
Occupancy Rate (%):	44
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	66
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	111
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Olympic Memorial Hospital

939 Caroline
Port Angeles, WA
98362

Public Hospital
Dist. No. 2 of
Clallam County

(206) 457-8513

October 21, 1988

Hospital ID: 500072

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thankyou for the opportunity to respond to the release of hospital mortality rates for the years 1986 and 1987. Olympic Memorial Hospital is a 126 bed general care facility, accredited by the Joint Commission on Accreditation of Healthcare Organizations and serving patients with major medical and surgical illnesses. The hospital has been designated a rural referral center and, as such, provides comprehensive medical and surgical services to both local patients and those transferred here by other hospitals. These services include orthopedics, ophthalmology, oncology, urology, and other specialty areas as well as general medicine and surgery.

The data provided have been reviewed by the hospital Administrator and the Coordinators of Quality Assurance and Utilization Review. We are pleased to note that Olympic Memorial Hospital statistics fall well within the predicted range for hospitals treating comparable patients.

In an effort to provide optimum care and services to our patients and be responsive to consumer concerns and cost containment efforts, this hospital and its medical staff have established a hospitalwide quality assurance and peer review program. This process includes physician review of the medical record of each patient who expires at this facility to assess medical management and overall care provided. Trending analysis from these reviews is part of the constant endeavor to assist in identification of opportunities to improve care.

Sincerely,

Allen Remington, Administrator

OTHELLO COMMUNITY HOSPITAL

350 NORTH 14TH STREET
OTHELLO, WA 99344

Medicare Hospital Provider Number: 500102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	103	13	8 - 21	88	14	8 - 23
Cancer	2	100	8 - 92	4	25	11 - 84
Cerebrovascular Accidents	3	0	3 - 79	6	33	6 - 73
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	3	33	5 - 87	0	-	-
Metabolic/Electrolyte Disorders	5	20	1 - 78	0	-	-
Pulmonary Disease	10	20	5 - 58	10	20	4 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	3	0	8 - 81	2	50	3 - 92
Severe Chronic Heart Disease	10	0	6 - 42	8	13	5 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 - 98	9	11	0 - 72
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 94	17	0	0 - 45
Musculoskeletal/Skin Conditions	4	25	1 - 84	6	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 38
Occupancy Rate (%): 16
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

OUR LADY OF LOURDES HOSPITAL

520 NORTH FOURTH AVE
PASCO, WA 99301

Medicare Hospital Provider Number: 500023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	647	11	9 - 15	642	11	9 - 15
Cancer	14	36	21 - 69	18	39	20 - 64
Cerebrovascular Accidents	25	20	14 - 47	31	16	14 - 42
Gastrointestinal Catastrophes	6	33	8 - 75	5	40	8 - 80
Infectious Disease	15	27	16 - 62	6	17	9 - 71
Metabolic/Electrolyte Disorders	7	14	1 - 72	14	0	8 - 39
Pulmonary Disease	44	34	14 - 44	40	32	12 - 43
Renal Failure	1	100	2 - 97	1	100	1 - 97
Severe Acute Heart Disease	28	39	25 - 61	36	39	24 - 56
Severe Chronic Heart Disease	31	23	12 - 43	22	27	10 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	49	2	0 - 18	43	2	1 - 18
Gynecologic Disease	17	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	89	1	1 - 8	81	2	1 - 11
Musculoskeletal/Skin Conditions	33	0	0 - 41	48	2	0 - 28
Neuropsychiatric/Sensory Disease	32	3	0 - 59	15	7	0 -100
Urologic Disease	31	0	0 - 25	28	0	0 - 60

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	38
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	61
Percent of Physicians Who Are Board Certified Specialists:	49
Interns and Residents:	0
Registered Nurses:	54
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OVERLAKE HOSPITAL MEDICAL CENTER

1035-116TH AVE NE
BELLEVUE, WA 98004

Medicare Hospital Provider Number: 500051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,918	12	10 - 14	1,964	12	10 - 14
Cancer	78	49	30 - 55	91	53	29 - 54
Cerebrovascular Accidents	93	29	18 - 38	74	27	18 - 39
Gastrointestinal Catastrophes	15	13	16 - 56	38	34	20 - 55
Infectious Disease	14	57	9 - 60	22	36	18 - 60
Metabolic/Electrolyte Disorders	20	40	7 - 53	22	23	7 - 47
Pulmonary Disease	85	24	16 - 37	82	22	17 - 38
Renal Failure	7	43	11 - 79	5	40	7 - 82
Severe Acute Heart Disease	78	46	28 - 52	70	47	28 - 53
Severe Chronic Heart Disease	88	22	14 - 33	66	21	15 - 37
Severe Trauma	3	33	5 - 87	4	75	2 - 81
Gastrointestinal Disease	91	4	1 - 13	126	6	1 - 12
Gynecologic Disease	25	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	222	5	1 - 8	212	2	2 - 7
Musculoskeletal/Skin Conditions	256	3	1 - 7	254	1	1 - 5
Neuropsychiatric/Sensory Disease	41	7	0 - 50	63	6	0 - 30
Urologic Disease	98	0	0 - 9	113	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	218
Occupancy Rate (%):	78
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	292
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	238
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

OVERLAKE
HOSPITAL
MEDICAL
CENTER

1035 116th Avenue NE
Bellevue, WA 98004
(206) 454-4011

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Bldg.
6325 Security Boulevard
Baltimore, Maryland 21207

To Whom It May Concern:

Once again Overlake Hospital Medical Center's mortality rates fell within the predicted range in each of the sixteen diagnostic categories.

Although pleased with the results of the mortality review, we are quite concerned about numerous errors contained in the "Hospital Characteristics" section of the HCFA Report. The data listed was supposedly taken from the American Hospital Association 1986 Annual Survey of Hospitals. The data that Overlake submitted is not the same as the data displayed in the HCFA report. The corrections are listed below:

	Correct	Incorrect
Beds:	137	129
Occupancy Rate:	76%	73%
Ownership Control:	Non-profit, community	Private
% of Physicians who are Board Certified:	78%	66%

Overlake Hospital continues to support the government's pursuit of accurate and relevant quality indicators to assist the public in better understanding our complex hospital environment.

Sincerely,

Sanderson J. Jeghers
President and Chief Executive Officer

smn

PACIFIC MEDICAL CENTER

1200 TWELFTH AVE S
SEATTLE, WA 98144

Medicare Hospital Provider Number: 500133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	262	11	8 - 16	436	9	9 - 15
Cancer	21	48	24 - 66	22	27	22 - 61
Cerebrovascular Accidents	2	0	0 - 93	14	29	9 - 56
Gastrointestinal Catastrophes	1	0	1 - 97	5	40	9 - 81
Infectious Disease	5	60	7 - 79	4	75	13 - 87
Metabolic/Electrolyte Disorders	3	0	2 - 80	4	0	1 - 77
Pulmonary Disease	17	18	6 - 47	20	25	10 - 50
Renal Failure	3	33	7 - 89	3	33	5 - 88
Severe Acute Heart Disease	7	29	10 - 71	8	50	15 - 76
Severe Chronic Heart Disease	7	14	3 - 63	30	10	11 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 93	19	5	0 - 48
Gynecologic Disease	7	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	19	5	0 - 66	50	2	1 - 15
Musculoskeletal/Skin Conditions	23	4	0 - 99	49	2	0 - 36
Neuropsychiatric/Sensory Disease	4	0	0 -100	12	0	0 - 94
Urologic Disease	15	0	0 -100	21	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	192
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	139
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PROSSER MEMORIAL HOSPITAL

723 MEMORIAL STREET
PROSSER, WA 99350

Medicare Hospital Provider Number: 500043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	137	14	7 - 19	141	14	9 - 21
Cancer	1	0	0 - 98	4	0	15 - 78
Cerebrovascular Accidents	8	25	5 - 64	9	44	10 - 68
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 99
Infectious Disease	3	67	3 - 86	2	50	3 - 92
Metabolic/Electrolyte Disorders	2	0	0 - 99	4	0	2 - 72
Pulmonary Disease	10	40	5 - 63	12	17	6 - 53
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	0	27 - 71	6	67	12 - 78
Severe Chronic Heart Disease	5	20	5 - 73	10	10	5 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	14	0 - 70	7	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	15	0	0 - 88	20	5	0 - 71
Musculoskeletal/Skin Conditions	5	40	0 -100	5	20	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	7	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	57
Occupancy Rate (%):	63
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE CENTRAL MEMORIAL HOSPITAL

504 W FOURTH AVE
TOPPENISH, WA 98948

Medicare Hospital Provider Number: 500037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	224	12	8 - 17	280	16	10 - 20
Cancer	2	50	2 - 92	5	60	13 - 84
Cerebrovascular Accidents	10	10	8 - 53	20	30	13 - 53
Gastrointestinal Catastrophes	2	50	3 - 92	4	50	5 - 83
Infectious Disease	1	0	1 - 97	5	80	12 - 79
Metabolic/Electrolyte Disorders	2	0	2 - 88	4	0	1 - 77
Pulmonary Disease	23	26	10 - 47	29	31	12 - 47
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	9	33	15 - 72	19	37	17 - 59
Severe Chronic Heart Disease	9	22	4 - 61	12	25	11 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 77	22	0	0 - 27
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	30	3	1 - 24	34	3	0 - 33
Musculoskeletal/Skin Conditions	9	0	0 -100	28	7	0 - 72
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	8	0	0 - 99	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	29
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE HOSPITAL

916 PACIFIC AVE (P O BOX 1067)
EVERETT, WA 98201

Medicare Hospital Provider Number: 500009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,066	12	10 - 15	2,069	15	11 - 16
Cancer	140	43	30 - 51	124	48	32 - 54
Cerebrovascular Accidents	75	21	18 - 38	89	25	17 - 37
Gastrointestinal Catastrophes	23	30	16 - 56	22	27	19 - 59
Infectious Disease	22	18	18 - 54	20	20	15 - 54
Metabolic/Electrolyte Disorders	23	26	13 - 53	15	33	8 - 57
Pulmonary Disease	84	20	16 - 36	97	32	18 - 39
Renal Failure	11	64	13 - 74	20	25	15 - 69
Severe Acute Heart Disease	52	40	26 - 53	66	42	27 - 52
Severe Chronic Heart Disease	106	17	16 - 32	89	37	16 - 38
Severe Trauma	4	50	1 - 86	2	0	6 - 90
Gastrointestinal Disease	125	5	1 - 11	89	3	1 - 12
Gynecologic Disease	9	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	244	2	2 - 6	261	1	2 - 6
Musculoskeletal/Skin Conditions	200	3	1 - 8	210	2	1 - 7
Neuropsychiatric/Sensory Disease	51	2	0 - 20	36	8	0 - 60
Urologic Disease	91	1	0 - 14	100	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	191
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	293
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	223
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE MEDICAL CENTER

500 17TH AVE
SEATTLE, WA 98122

Medicare Hospital Provider Number: 500025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,392	10	9 - 13	2,930	9	9 - 13
Cancer	113	38	30 - 53	106	39	27 - 51
Cerebrovascular Accidents	106	30	18 - 37	122	20	19 - 36
Gastrointestinal Catastrophes	33	30	17 - 52	29	34	15 - 53
Infectious Disease	21	33	17 - 58	13	31	12 - 62
Metabolic/Electrolyte Disorders	48	33	19 - 50	31	32	8 - 45
Pulmonary Disease	112	21	18 - 37	100	23	18 - 38
Renal Failure	8	88	17 - 77	7	57	15 - 84
Severe Acute Heart Disease	125	28	28 - 47	105	33	29 - 49
Severe Chronic Heart Disease	118	16	15 - 31	102	18	13 - 30
Severe Trauma	5	20	9 - 77	5	40	5 - 78
Gastrointestinal Disease	127	6	1 - 12	107	3	1 - 10
Gynecologic Disease	25	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	728	5	3 - 6	701	3	3 - 6
Musculoskeletal/Skin Conditions	368	3	1 - 6	333	1	1 - 5
Neuropsychiatric/Sensory Disease	63	3	0 - 20	82	4	0 - 15
Urologic Disease	151	1	0 - 7	82	2	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	376
Occupancy Rate (%):	67
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	294
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	12
Registered Nurses:	498
Licensed Practical Nurses:	29

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SISTERS OF PROVIDENCE
SERVING IN THE WEST SINCE 1856

PROVIDENCE MEDICAL CENTER
500 17th AVENUE
P.O. BOX C-34008
SEATTLE, WASHINGTON 98124
PHONE: (206) 326-5555

October 17, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper: Hospital I.D. 500025

Thank you for the opportunity to review the 1987 Medicare Hospital Mortality information for Providence Medical Center prior to publication.

Analysis of the data reflects very favorably on the high quality of care being provided at this institution. The data does show a higher-than-predicted rate of mortality in the category of renal failure. There were only eight persons in that category, seven of whom died, giving the institution a mortality rate of 88%. This is outside the predicted range of 17-77%. After reviewing the charts of the seven patients who died, it was quite clear that in six of the seven patients death was due to natural and irreversible progression of vascular disease. In one patient, the renal failure was contributed to by use of radiographic contrast medium after the patient suffered a very large heart attack. It has been well documented that contrast media used for x-ray studies may contribute to renal failure.

After this patient's hospitalization, new contrast media agents have become available which have lower osmolarity and are much less likely to contribute to renal failure, but are ten times more expensive. In addition to using the lower osmolar contrast media in select patients, renal function tests routinely are done at Providence Medical Center prior to use of contrast media for x-ray studies. The results of the renal function tests are used to determine if a proposed x-ray study may be done safely, and to select the type and amount of contrast medium to be used.

We are quite pleased with the changes made by HCFA in diagnostic categories and data presentation. The comparison of 1987 to 1986 results is useful.

We look forward to future enhancements to the HCFA database which will take into account severity of illness.

PUGET SOUND HOSPITAL

215 S 36TH ST
TACOMA, WA 98408

Medicare Hospital Provider Number: 500045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	586	10	8 - 13	600	11	8 - 14
Cancer	14	29	17 - 64	17	53	22 - 68
Cerebrovascular Accidents	30	17	18 - 47	27	33	14 - 50
Gastrointestinal Catastrophes	4	0	5 - 71	7	43	8 - 73
Infectious Disease	3	33	4 - 86	4	25	11 - 84
Metabolic/Electrolyte Disorders	5	0	1 - 69	5	20	3 - 75
Pulmonary Disease	22	27	12 - 50	22	9	10 - 40
Renal Failure	1	100	1 - 97	3	0	7 - 83
Severe Acute Heart Disease	16	31	22 - 66	34	56	22 - 56
Severe Chronic Heart Disease	21	33	6 - 47	30	13	12 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	0	0 - 35	34	6	0 - 44
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	38	8	0 - 31	53	2	1 - 15
Musculoskeletal/Skin Conditions	59	0	1 - 9	49	2	0 - 37
Neuropsychiatric/Sensory Disease	106	2	0 - 12	89	3	0 - 17
Urologic Disease	19	0	1 - 27	25	4	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	153
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

QUINCY VALLEY HOSPITAL

908 TENTH AVE SW (P O BOX 1048
QUINCY, WA 98848

Medicare Hospital Provider Number: 500106

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	52	13	5 - 26	54	11	4 - 23
Cancer	1	100	1 - 97	0	-	-
Cerebrovascular Accidents	2	50	2 - 92	4	25	3 - 80
Gastrointestinal Catastrophes	1	0	2 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	0 - 99	0	-	-
Pulmonary Disease	5	0	4 - 63	7	14	6 - 64
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	3	33	5 - 86	0	-	-
Severe Chronic Heart Disease	1	100	0 - 97	2	0	0 - 94
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	3	0	0 - 99
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	13	8	0 - 92	17	0	0 - 41
Musculoskeletal/Skin Conditions	3	0	0 - 87	0	-	-
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	33	0 -100
Urologic Disease	0	-	-	4	50	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	16
Occupancy Rate (%):	38
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

QUINCY VALLEY HOSPITAL

October 19, 1988

William L. Roper, M.D., Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Thank you for the opportunity to respond to the release of Medicare mortality information for the December 1986 to December 1987 acute care admissions for Grant County Publi Hospital District #2, dba Quincy Valley Hospital. Ours is a small, rural facility serving the health care needs of a large surrounding community. Our services also include a Medicare certified Swing Bed program. Some individuals treated here are stabilized in life-threatening situations and transferred to larger facilities. These same individuals often return to our hospital to be close to their family and physician to receive care at the end stage of their terminal illnesses.

The Medical Staff at Quincy Valley Hospital has always reviewed the medical record of every patient expiring in our facility for appropriateness of care given to that individual. We utilize experts from across the state to assist the hospital in a constant endeavor to identify opportunities to improve our quality of care. The Director of Quality Management for the hospital has re-reviewed all the patient case records reflected in this report. According to practice norms, quality care was provided to these patients; 85% of those expiring within 30 days of acute-care discharge from the hospital became Swing Bed patients with terminal illnesses and 57% had a diagnosis or complicating factor of metastatic cancer. As you realize, high-risk patients with multiple severe diseases yield a higher mortality rate.

The hospital-specific mortality data reported by the Health Care Financing Administration has been reviewed by our: Administrator, Chief of Staff, Director of Nursing and our Director of the Medical Records Department. With few exceptions we find the data to be accurate. However, one such exception in 1986 60% of our physicians were Board Certified. Although the statistics for our hospital are based on small numbers due to our size, our actual mortality rate falls well within the range of predicted values for similar hospitals with our same characteristics, patient and case mix. We were concerned that one of the deaths occurred within an HCFA identified "Low risk" category and on re-review of this chart the hospital discovered the patient had terminal cancer and the disease was a complication of that process. Please be assured we have re-reviewed every patient chart for quality of care issues.

We feel there is a need in this nation's health care system for small, rural community, non-profit hospitals dedicated to individualized, quality care and we endeavor to provide this for our community.

Sincerely yours,

R.G. McKinney, MD, jr

Kim Dahlman, Administrator

R.G. McKinney, Chief of Staff

KD:kp

RITZVILLE MEMORIAL HOSPITAL

903 SOUTH ADAMS
RITZVILLE, WA 99169

Medicare Hospital Provider Number: 500101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	91	14	9 - 24	100	11	8 - 22
Cancer	4	100	23 - 86	2	50	4 - 93
Cerebrovascular Accidents	4	0	4 - 70	9	33	9 - 66
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	3 - 88	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 98	5	0	6 - 64
Pulmonary Disease	6	0	6 - 58	19	5	10 - 38
Renal Failure	2	100	10 - 95	0	-	-
Severe Acute Heart Disease	6	83	16 - 77	2	0	2 - 88
Severe Chronic Heart Disease	5	0	2 - 66	3	33	1 - 87
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 92	7	14	0 -100
Musculoskeletal/Skin Conditions	10	0	0 - 77	5	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	20
Occupancy Rate (%):	(not available)
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

RIVERTON GENERAL HOSPITAL

12844 MILITARY ROAD
SEATTLE, WA 98168

Medicare Hospital Provider Number: 500087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	522	10	7 - 13	524	11	8 - 14
Cancer	15	20	15 - 57	10	40	12 - 68
Cerebrovascular Accidents	25	16	12 - 43	21	24	11 - 49
Gastrointestinal Catastrophes	8	0	9 - 53	7	29	12 - 74
Infectious Disease	1	0	2 - 97	1	100	3 - 99
Metabolic/Electrolyte Disorders	12	17	6 - 54	5	0	2 - 67
Pulmonary Disease	28	25	10 - 44	25	24	10 - 45
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	15	33	14 - 61	16	19	22 - 61
Severe Chronic Heart Disease	22	14	10 - 41	38	18	12 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	0	0 - 43	21	5	0 - 74
Gynecologic Disease	4	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	46	2	0 - 20	50	2	1 - 16
Musculoskeletal/Skin Conditions	88	2	0 - 15	75	1	0 - 16
Neuropsychiatric/Sensory Disease	6	17	0 -100	7	0	0 -100
Urologic Disease	26	0	0 - 33	18	0	0 - 80

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	142
Occupancy Rate (%):	47
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	77
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SACRED HEART MEDICAL CENTER

W 101 EIGHTH AVE
SPOKANE, WA 99204

Medicare Hospital Provider Number: 500054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,638	11	11 - 14	4,618	13	11 - 15
Cancer	200	36	33 - 52	204	38	33 - 52
Cerebrovascular Accidents	150	23	19 - 35	159	24	19 - 34
Gastrointestinal Catastrophes	38	34	23 - 57	55	40	19 - 50
Infectious Disease	72	31	21 - 47	93	34	23 - 48
Metabolic/Electrolyte Disorders	51	25	17 - 47	60	32	14 - 43
Pulmonary Disease	184	24	17 - 33	164	30	19 - 37
Renal Failure	54	35	14 - 60	72	31	13 - 60
Severe Acute Heart Disease	291	26	29 - 43	247	31	30 - 45
Severe Chronic Heart Disease	164	23	16 - 31	137	23	16 - 32
Severe Trauma	12	8	10 - 53	17	29	11 - 58
Gastrointestinal Disease	202	3	2 - 8	212	3	1 - 8
Gynecologic Disease	58	0	0 - 23	40	0	0 - 99
Low-Risk Heart Disease	655	3	2 - 6	697	4	3 - 6
Musculoskeletal/Skin Conditions	483	2	1 - 5	483	3	1 - 5
Neuropsychiatric/Sensory Disease	77	5	0 - 19	92	3	0 - 17
Urologic Disease	245	2	1 - 6	191	3	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	631
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	574
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	39
Registered Nurses:	514
Licensed Practical Nurses:	179

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

SHMC

SACRED HEART MEDICAL CENTER
West 101 Eighth Avenue
TAF-C9
Spokane, Washington 99220-4045
(509) 455-3040

OFFICE OF THE PRESIDENT

Medicare Provider Number: 50-0054

October 24, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Hospital Mortality Information
P. O. Box 26684
Baltimore, Maryland 21207

Re: Mortality Statistics

To Whom It May Concern:

Thank you for the opportunity to respond to the release of hospital mortality rates.

We have carefully reviewed the rates for Sacred Heart Medical Center and the interpretative material that accompanied them. In no diagnostic category did the Medical Center's actual mortality rate fall outside the range of the predicted rate. The Director of Medical Records has validated that, overall, the data is accurate.

Mortality review is a part of the ongoing Quality Assessment Program and continued monitoring of the medical management and care of Sacred Heart patients. The medical staff conducts a comprehensive review of the medical records of all patients who expire at the Medical Center. The HCFA mortality data will become an additional resource in this review. It is our belief that monitoring of quality care is critically important at the individual hospital level as an assurance to the public that their confidence is well placed.

Sincerely,

Gerald P. Leahy

Gerald P. Leahy
President

GPL:J

A Vision of Excellence
A CENTURY OF CARING
Sisters Of Providence
1886-1986

SAMARITAN HOSPITAL

801 EAST WHEELER ROAD
MOSES LAKE, WA 98837

Medicare Hospital Provider Number: 500033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	384	12	8 - 15	431	11	7 - 14
Cancer	4	75	19 - 93	10	60	24 - 80
Cerebrovascular Accidents	8	25	5 - 65	12	25	6 - 56
Gastrointestinal Catastrophes	5	40	4 - 78	4	25	6 - 81
Infectious Disease	5	20	4 - 74	0	-	-
Metabolic/Electrolyte Disorders	4	50	2 - 83	7	43	1 - 75
Pulmonary Disease	31	23	10 - 42	28	18	13 - 44
Renal Failure	1	0	3 - 98	0	-	-
Severe Acute Heart Disease	18	50	19 - 63	13	31	14 - 62
Severe Chronic Heart Disease	18	11	7 - 41	22	23	8 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	4	0 - 50	32	0	0 - 19
Gynecologic Disease	1	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	49	6	0 - 27	50	2	1 - 14
Musculoskeletal/Skin Conditions	61	3	0 - 24	67	0	1 - 9
Neuropsychiatric/Sensory Disease	5	20	0 - 83	8	0	0 - 95
Urologic Disease	4	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	54
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	55
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SHOREWOOD OSTEOPATHIC HOSPITAL

12845 AMBAUM BLVD SW
SEATTLE, WA 98146

Medicare Hospital Provider Number: 500109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	103	16	5 - 21	179	15	9 - 20
Cancer	2	0	1 - 90	3	100	7 - 80
Cerebrovascular Accidents	2	50	2 - 92	9	22	8 - 62
Gastrointestinal Catastrophes	2	0	2 - 89	0	-	-
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	4	25	0 - 95	8	38	6 - 69
Pulmonary Disease	10	50	7 - 65	17	0	18 - 42
Renal Failure	0	-	-	4	50	8 - 87
Severe Acute Heart Disease	0	-	-	7	71	12 - 73
Severe Chronic Heart Disease	11	36	9 - 62	14	29	8 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 -100	10	20	0 -100
Gynecologic Disease	1	0	0 -100	1	100	0 -100
Low-Risk Heart Disease	13	0	0 - 75	16	6	0 - 88
Musculoskeletal/Skin Conditions	12	0	0 - 88	28	7	0 - 79
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	0	0 -100
Urologic Disease	3	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1983

Total Beds (#):	61
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SKAGIT VALLEY HOSPITAL & HEALTH CENT
1415 KINCAID STREET
MOUNT VERNON, WA 98273

Medicare Hospital Provider Number: 500003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,262	9	9 - 13	1,197	11	9 - 14
Cancer	38	58	29 - 62	49	49	30 - 60
Cerebrovascular Accidents	61	20	16 - 38	51	10	18 - 37
Gastrointestinal Catastrophes	15	60	22 - 70	10	0	17 - 54
Infectious Disease	11	27	17 - 69	15	47	10 - 60
Metabolic/Electrolyte Disorders	10	50	7 - 65	10	30	7 - 63
Pulmonary Disease	48	15	15 - 38	53	26	14 - 41
Renal Failure	1	0	3 - 98	0	-	-
Severe Acute Heart Disease	45	33	24 - 53	55	36	26 - 53
Severe Chronic Heart Disease	48	10	12 - 32	43	19	14 - 39
Severe Trauma	1	0	0 - 98	1	0	0 - 99
Gastrointestinal Disease	68	1	0 - 12	94	4	0 - 15
Gynecologic Disease	31	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	111	2	2 - 8	99	3	2 - 10
Musculoskeletal/Skin Conditions	181	1	1 - 5	150	0	1 - 5
Neuropsychiatric/Sensory Disease	80	2	0 - 18	88	3	0 - 21
Urologic Disease	73	0	0 - 13	74	4	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	137
Occupancy Rate (%):	51
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	91
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	112
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Skagit Valley
Hospital
and Health
Center

October 14, 1988

William L. Roper, M. D.
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Blvd.
Baltimore, MD 21207

Dear Dr. Roper:

We appreciate the opportunity to review and respond to the mortality data being published by the Health Care Financing Administration. In all 16 categories reported, Medicare data for Skagit Valley Hospital and Health Center were within the predicted ranges or slightly below. Comparison of Medicare data with records in our facility verify that all patients in the data listing were treated here; however, there were some discharge dates and dates of death in the HCFA data which were not correct according to our records. Of these 111 patients who expired from January 1, 1987 - January 31, 1988, 84 (75%) were greater than 70 years of age. (The time period for the data is longer than the calendar year because the statistical model HCFA used includes patients who expired within 30 days after admission.) Seventy-five percent of the 111 patients actually expired in the hospital. Since our community includes a hospice program, terminally ill patients may choose to spend their final days in their own home.

As a community with desirable characteristics for retirement, we serve a growing Medicare population. Skagit Valley Hospital and Health Center is a designated Rural Referral Center for Medicare patients and offers a wide variety of services to the public including oncology, cardiovascular, critical care, emergency, sophisticated diagnostic equipment, among others.

Sincerely,

Patrick R. Mahoney
Administrator

cle

1415 East Kincaid
P.O. Box 1376
Mount Vernon, WA
98273-1376
(206) 424-4111

SKYLINE HOSPITAL

211 SKYLINE DRIVE
WHITE SALMON, WA 98672

Medicare Hospital Provider Number: 500068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	156	14	8 - 20	156	12	10 - 21
Cancer	3	67	8 - 88	6	67	16 - 81
Cerebrovascular Accidents	4	25	2 - 81	4	25	4 - 79
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 99
Infectious Disease	3	33	5 - 86	2	0	2 - 89
Metabolic/Electrolyte Disorders	5	0	3 - 64	2	0	3 - 88
Pulmonary Disease	12	25	6 - 56	7	43	7 - 71
Renal Failure	1	0	0 - 99	1	0	2 -100
Severe Acute Heart Disease	9	33	13 - 69	15	40	15 - 62
Severe Chronic Heart Disease	9	33	7 - 65	10	10	9 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 - 98	5	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	17	6	0 - 92	20	5	0 - 66
Musculoskeletal/Skin Conditions	6	0	0 - 99	15	0	0 - 63
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	4	0	0 - 85	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	27
Occupancy Rate (%):	30
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SNOQUALMIE VALLEY HOSPITAL

1505 MEADOWBROOK WAY S E
SNOQUALMIE, WA 98065

Medicare Hospital Provider Number: 500135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	128	11	7 - 19	127	11	8 - 19
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	6	33	2 - 74	7	57	12 - 76
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	1	100	0 - 98	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 94	0	-	-
Pulmonary Disease	9	11	9 - 57	7	14	6 - 64
Renal Failure	1	100	0 -100	2	50	7 - 96
Severe Acute Heart Disease	6	17	18 - 78	6	50	19 - 86
Severe Chronic Heart Disease	8	13	7 - 60	9	11	4 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 -100	3	0	0 -100
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	8	0	0 - 97	16	0	0 - 47
Musculoskeletal/Skin Conditions	20	5	0 - 50	19	0	0 - 77
Neuropsychiatric/Sensory Disease	5	0	0 -100	2	0	0 -100
Urologic Disease	6	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	28
Occupancy Rate (%):	21
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	25
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ELIZABETH MEDICAL CENTER

110 SOUTH NINTH AVE
YAKIMA, WA 98902

Medicare Hospital Provider Number: 500012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,941	14	10 - 14	1,982	11	10 - 14
Cancer	84	48	25 - 50	68	32	27 - 53
Cerebrovascular Accidents	85	28	16 - 37	68	25	17 - 39
Gastrointestinal Catastrophes	18	33	10 - 56	16	19	16 - 58
Infectious Disease	8	38	7 - 69	23	35	18 - 58
Metabolic/Electrolyte Disorders	24	13	8 - 42	18	28	11 - 54
Pulmonary Disease	82	23	15 - 36	71	21	14 - 36
Renal Failure	11	36	15 - 76	7	29	10 - 78
Severe Acute Heart Disease	108	38	28 - 49	83	34	29 - 51
Severe Chronic Heart Disease	107	28	15 - 34	113	25	17 - 35
Severe Trauma	1	0	0 - 97	5	20	7 - 76
Gastrointestinal Disease	113	1	1 - 7	124	2	1 - 8
Gynecologic Disease	15	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	286	3	2 - 7	315	5	2 - 8
Musculoskeletal/Skin Conditions	173	5	0 - 11	194	2	1 - 6
Neuropsychiatric/Sensory Disease	17	12	0 - 91	35	3	0 - 40
Urologic Disease	101	1	0 - 19	107	7	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	192
Occupancy Rate (%):	58
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. ELIZABETH MEDICAL CENTER
110 SOUTH NINTH AVENUE
YAKIMA, WASHINGTON 98902
PHONE (509) 575-5000

SISTERS OF PROVIDENCE
SERVING IN THE WEST SINCE 1856

October, 1988

RE: HCFA Mortality Statistics for 1986 Medicare Provider #50-0012
St. Elizabeth Medical Center
Yakima, Washington

St. Elizabeth Medical Center, Yakima, WA., requests that the following information be included in the Federal Register.

St. Elizabeth Medical Center, a referral center with 214 licensed beds, is the sole provider of a number of specialty services for a 4600 square mile area of Washington State. Those services include kidney dialysis, sleep lab, lithotripsy, physical rehabilitation and a comprehensive heart program, including open heart surgery and cardiac diagnostic and treatment services. We serve a high number (55%) of Medicare patients. Our case mix reflects a high percentage of patients with major medical and surgical illnesses; as a result, the "seriousness" of illnesses treated at St. Elizabeth is 50% higher than at any other Central Washington hospital.

St. Elizabeth Medical Center falls within the range of predicted mortality rate in all 16 diagnostic categories. The hospital-specific mortality data has been reviewed by: the Administrator, the President and other officers of the Medical Staff, the Medical Director of Quality Management and the Director and staff of the Utilization/Quality Management Department.

Through our Quality Management Program, the clinical practice of physicians, nurses and other health care personnel is carefully monitored on an on-going basis to assure that quality care is given to all patients. As part of that process, every death is monitored by St. Elizabeth's medical staff committees and by the hospital's Quality Management staff. We believe that our monitoring system provides us with continuous feedback mechanism in the effort to continue to meet and exceed quality care standards. This commitment to quality care has been recognized by the Joint Commission on Accreditation of Health Care Organizations in their accreditation surveys.

Thank you for the opportunity to comment in the Federal Register.

Sincerely,

Sister Karin Dufault, R.N., Ph.D.
Administrator

ST HELEN HOSPITAL

500 SE WASHINGTON AVE
CHEHALIS, WA 98532

Medicare Hospital Provider Number: 500019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	501	16	10 - 17	560	15	10 - 17
Cancer	12	58	18 - 70	10	40	17 - 73
Cerebrovascular Accidents	23	30	12 - 50	25	28	14 - 50
Gastrointestinal Catastrophes	5	40	10 - 81	3	67	3 - 86
Infectious Disease	5	40	5 - 78	2	50	4 - 93
Metabolic/Electrolyte Disorders	7	71	4 - 69	2	50	0 - 96
Pulmonary Disease	33	27	14 - 46	46	24	17 - 44
Renal Failure	1	100	3 - 98	3	67	9 - 91
Severe Acute Heart Disease	22	64	20 - 59	29	48	26 - 62
Severe Chronic Heart Disease	39	36	13 - 43	44	23	14 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	0	1 - 14	44	5	1 - 23
Gynecologic Disease	2	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	61	0	1 - 9	63	2	1 - 12
Musculoskeletal/Skin Conditions	38	3	0 - 26	30	0	0 - 24
Neuropsychiatric/Sensory Disease	12	0	0 - 99	23	13	0 - 82
Urologic Disease	13	0	0 - 99	13	8	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	104
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOHN'S MEDICAL CENTER

1614 E KESSLER BLVD (P O BOX 9
LONGVIEW, WA 98632

Medicare Hospital Provider Number: 500041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,837	11	10 - 15	1,642	13	11 - 15
Cancer	68	32	26 - 52	62	45	26 - 54
Cerebrovascular Accidents	83	24	18 - 38	78	22	18 - 38
Gastrointestinal Catastrophes	45	33	20 - 52	19	53	18 - 63
Infectious Disease	11	18	16 - 64	30	37	20 - 57
Metabolic/Electrolyte Disorders	25	28	18 - 56	13	15	12 - 56
Pulmonary Disease	112	18	18 - 35	78	22	15 - 36
Renal Failure	11	45	7 - 70	5	20	8 - 80
Severe Acute Heart Disease	50	48	24 - 53	65	40	28 - 53
Severe Chronic Heart Disease	92	18	14 - 31	99	19	16 - 33
Severe Trauma	3	33	7 - 88	2	50	2 - 92
Gastrointestinal Disease	166	5	2 - 10	122	7	1 - 13
Gynecologic Disease	24	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	243	2	2 - 7	213	5	1 - 9
Musculoskeletal/Skin Conditions	165	3	1 - 8	158	2	1 - 7
Neuropsychiatric/Sensory Disease	48	0	1 - 12	35	0	0 - 33
Urologic Disease	74	4	0 - 56	64	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	224
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	114
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Kessler Campus
1614 E. Kessler Blvd.
Longview, WA 98632

ST. JOHN'S MEDICAL CENTER

Broadway Campus
600 Broadway
Longview, WA 98632

#500041

William L. Roper, M.D.
Administrator, HHS
Health Care Financing Administration
Washington D.C. 20201

RE: INCLUSION OF COMMENTS ON MEDICARE HOSPITAL MORTALITY INFORMATION FOR PUBLICATION IN DECEMBER IN THE FEDERAL REGISTER

Dr. Roper:

St. John's Medical Center is a Rural Referral Center in Southwest Washington serving patients in a five county area. The case mix, in addition to the general medical/surgical patient includes an intensive and coronary care unit, oncology services, dialysis and neurosurgical patients. The medical staff participates in an ongoing Quality Assurance Program that among other things, reviews all deaths that occur in the hospital on a case by case basis. The hospital deaths that occurred in HCFA's medicare mortality listings have already been reviewed by hospital specialty peer review committees.

The mortality information reflecting hospitalized Medicare patients, who died within 30 days of their last 1987 admission at St. John's Medical Center, showed all categories to be within the "predicted range of percentages of those who would be expected to die given age, prior hospitalizations and the presence of comorbid conditions. It does not, however, reflect how severe the illness was at the time of admission or the severity of existing chronic conditions. The assigned diagnostic category for the patient is chosen by the "reason for admission", e.g. pneumonia, intestinal obstruction, and would not reflect the severity of a patient's secondary condition such as cancer metastases or terminal stages of cancer. In many instances the likelihood that death would have occurred in a short time is related to the terminal nature of the patient's illness and not necessarily related to the hospitalization. The same is true for patients with advanced heart conditions that appear in a "low risk" category. They may do well through a minor illness, are discharged from the hospital and yet die of an unrelated massive heart attack near the end of the 30 day period included in the Mortality listing. This is reflected in the sampling checked in reviewing the mortality statistics. These are some of the factors not built in to the mortality statistics model.

A sampling of the Medicare Hospital Mortality Information for accuracy, showed an improvement in error rate over last year's 1986 statistical data from HCFA. The HCFA Mortality Statistics for 1987 are under review by the formalized Quality Assurance organization with St. John's Medical Center. This review responsibility has been in place many years, and will continue to address quality of care monitoring in the hospital setting.

We agree with HCFA, that the mortality rate on its own "is not a complete measure of the quality of care at an individual hospital". The statistics do, however, provide an opportunity to focus a case-by-case investigation on categories that show excessively high or low variations from the predicted range to see if a problem exists. These and similar issues are addressed on an ongoing basis by hospital committees as part of the Medical Center's Quality Assurance Program.

I appreciate the opportunity to respond to the releases of this information and would hope that additional questions would be directed to this Medical Center's Community Relations Department.

Sincerely,

Sr. Anne Hayes

Sr. Anne Hayes,
Administrator,
St. John's Medical Center

ST JOSEPH COMMUNITY HOSPITAL

600 N E 92ND AVENUE
VANCOUVER, WA 98664

Medicare Hospital Provider Number: 500114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,988	13	9 - 13	1,652	12	11 - 15
Cancer	55	22	23 - 49	59	27	24 - 50
Cerebrovascular Accidents	134	23	16 - 32	128	20	18 - 34
Gastrointestinal Catastrophes	16	44	11 - 59	11	36	14 - 68
Infectious Disease	20	35	15 - 57	19	32	17 - 60
Metabolic/Electrolyte Disorders	39	23	9 - 41	19	11	10 - 45
Pulmonary Disease	85	21	15 - 35	74	27	14 - 37
Renal Failure	7	29	12 - 79	10	60	11 - 75
Severe Acute Heart Disease	95	41	25 - 47	111	31	28 - 48
Severe Chronic Heart Disease	91	29	14 - 34	67	24	13 - 35
Severe Trauma	8	25	7 - 67	4	25	5 - 80
Gastrointestinal Disease	103	5	0 - 14	88	5	1 - 15
Gynecologic Disease	12	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	192	5	1 - 9	167	4	1 - 8
Musculoskeletal/Skin Conditions	247	2	1 - 6	182	2	1 - 6
Neuropsychiatric/Sensory Disease	70	4	0 - 21	46	7	0 - 51
Urologic Disease	115	1	0 - 11	76	1	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	243
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	188
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPH HOSPITAL

1006 NORTH 'H' ST
ABERDEEN, WA 98520

Medicare Hospital Provider Number: 500040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	379	14	11 - 19	400	10	11 - 18
Cancer	8	50	15 - 76	10	60	21 - 77
Cerebrovascular Accidents	17	12	12 - 46	20	5	15 - 41
Gastrointestinal Catastrophes	5	60	8 - 79	3	67	4 - 86
Infectious Disease	4	50	5 - 82	6	33	12 - 78
Metabolic/Electrolyte Disorders	12	17	11 - 57	11	27	11 - 63
Pulmonary Disease	33	9	12 - 36	15	27	15 - 60
Renal Failure	0	-	-	2	0	6 - 91
Severe Acute Heart Disease	25	32	23 - 60	18	28	16 - 57
Severe Chronic Heart Disease	23	22	9 - 44	29	17	11 - 40
Severe Trauma	2	50	1 - 93	2	100	7 - 91
Gastrointestinal Disease	22	9	0 - 46	21	0	0 - 45
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	47	2	1 - 16	47	2	0 - 18
Musculoskeletal/Skin Conditions	23	0	0 - 46	22	0	1 - 26
Neuropsychiatric/Sensory Disease	5	0	0 - 99	13	8	0 - 79
Urologic Disease	12	8	0 - 97	12	0	0 - 54

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	61
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	46
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	40
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPH HOSPITAL HEALTH CARE CTR

1718 S 'I' ST
TACOMA, WA 98401

Medicare Hospital Provider Number: 500108

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,470	13	10 - 14	2,554	12	10 - 14
Cancer	86	42	30 - 54	71	37	30 - 56
Cerebrovascular Accidents	127	24	18 - 34	110	24	20 - 38
Gastrointestinal Catastrophes	14	29	18 - 65	21	38	15 - 58
Infectious Disease	22	18	18 - 54	23	43	18 - 60
Metabolic/Electrolyte Disorders	39	31	13 - 47	37	22	10 - 42
Pulmonary Disease	98	31	14 - 35	100	22	16 - 35
Renal Failure	25	48	18 - 70	33	52	16 - 67
Severe Acute Heart Disease	89	43	24 - 46	80	40	25 - 48
Severe Chronic Heart Disease	82	32	14 - 36	112	33	16 - 35
Severe Trauma	9	44	10 - 70	10	20	7 - 61
Gastrointestinal Disease	103	9	1 - 16	121	4	1 - 11
Gynecologic Disease	36	3	0 - 63	24	0	0 -100
Low-Risk Heart Disease	418	4	2 - 7	430	4	3 - 7
Musculoskeletal/Skin Conditions	259	2	1 - 6	276	3	1 - 6
Neuropsychiatric/Sensory Disease	63	2	1 - 13	47	2	0 - 18
Urologic Disease	146	1	0 - 9	127	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	317
Occupancy Rate (%):	65
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	596
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	278
Licensed Practical Nurses:	87

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. JOSEPH HOSPITAL AND HEALTH CARE CENTER

#500108

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Thank you for providing us with this opportunity to respond to the information compiled by the Health Care Financing Administration regarding hospital mortality rates for 1986 and 1987.

A review of the material indicates that the information is correct for the most part. Minor discrepancies were found and are noted for your information in the enclosed documents, but they do not significantly affect the reported mortality rates.

We have noted that St. Joseph Hospital fell within the ranges for predicted mortality in all categories.

We realize these data are not controlled sufficiently to measure the quality of care provided by our hospital or other institutions. Therefore, it is not possible to draw specific conclusions about performance from these statistics.

Ongoing review of deaths is a routine part of the hospital's Quality Assurance program. Monitoring of the appropriateness of the total care provided is included in this process.

It is important to look at these statistics in light of the intensive services offered at St. Joseph Hospital. St. Joseph is a referral center with services that attract critically ill patients from throughout the region. These services include the region's only inpatient and outpatient renal dialysis units, the only burn center in the area and a comprehensive emergency department.

Again, thank for this opportunity to respond to the mortality statistics.

Sincerely,

John R. Long

John R. Long
President and Chief Executive Officer

ST JOSEPH'S HOSPITAL

3201 ELLIS ST
BELLINGHAM, WA 98225

Medicare Hospital Provider Number: 500030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,221	9	9 - 13	1,175	9	9 - 14
Cancer	48	31	25 - 55	52	37	27 - 56
Cerebrovascular Accidents	52	27	16 - 41	35	31	15 - 46
Gastrointestinal Catastrophes	10	60	13 - 69	6	17	8 - 71
Infectious Disease	12	58	15 - 68	14	21	15 - 60
Metabolic/Electrolyte Disorders	5	20	5 - 74	9	33	4 - 65
Pulmonary Disease	50	12	13 - 35	48	19	12 - 37
Renal Failure	2	50	1 - 93	4	25	5 - 83
Severe Acute Heart Disease	50	14	25 - 47	59	24	28 - 52
Severe Chronic Heart Disease	44	18	13 - 37	39	23	10 - 38
Severe Trauma	1	0	0 - 98	2	100	3 - 88
Gastrointestinal Disease	73	5	0 - 18	67	1	2 - 11
Gynecologic Disease	24	0	0 -100	24	0	0 -100
Low-Risk Heart Disease	106	6	1 - 13	120	2	2 - 8
Musculoskeletal/Skin Conditions	151	2	1 - 8	147	0	1 - 5
Neuropsychiatric/Sensory Disease	45	0	1 - 12	23	0	0 - 88
Urologic Disease	70	0	0 - 22	86	1	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	153
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	173
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	103
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPH'S HOSPITAL

500 EAST WEBSTER
CHEWELAH, WA 99109

Medicare Hospital Provider Number: 500048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	178	10	7 - 17	259	8	7 - 15
Cancer	4	100	14 - 77	2	0	6 - 90
Cerebrovascular Accidents	5	40	5 - 77	8	13	8 - 60
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	0	-	-	1	0	3 - 99
Metabolic/Electrolyte Disorders	4	0	1 - 77	4	0	0 - 84
Pulmonary Disease	13	23	10 - 57	16	13	14 - 51
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	5	20	14 - 80	4	0	10 - 73
Severe Chronic Heart Disease	7	29	9 - 70	11	45	7 - 62
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	22	5	0 - 41
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	29	0	0 - 21	41	0	1 - 13
Musculoskeletal/Skin Conditions	14	7	0 - 94	20	5	0 - 89
Neuropsychiatric/Sensory Disease	6	0	0 -100	11	0	0 -100
Urologic Disease	3	0	0 - 99	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	32
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST LUKE'S GENERAL HOSPITAL

809 E CHESTNUT ST (P O BOX 288
BELLINGHAM, WA 98225

Medicare Hospital Provider Number: 500046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,061	13	10 - 15	1,252	12	11 - 16
Cancer	35	49	20 - 54	32	44	22 - 58
Cerebrovascular Accidents	55	16	14 - 36	95	29	17 - 37
Gastrointestinal Catastrophes	15	40	15 - 64	18	28	12 - 56
Infectious Disease	6	33	8 - 75	17	35	20 - 65
Metabolic/Electrolyte Disorders	22	23	13 - 51	15	13	9 - 50
Pulmonary Disease	57	23	14 - 38	73	25	16 - 38
Renal Failure	3	67	6 - 88	1	100	3 - 99
Severe Acute Heart Disease	64	44	26 - 52	68	28	30 - 53
Severe Chronic Heart Disease	55	22	15 - 38	57	18	14 - 36
Severe Trauma	6	17	6 - 70	4	0	3 - 72
Gastrointestinal Disease	66	2	1 - 11	72	4	1 - 16
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	128	2	2 - 8	160	2	1 - 8
Musculoskeletal/Skin Conditions	99	4	0 - 20	106	1	0 - 9
Neuropsychiatric/Sensory Disease	22	0	0 - 48	19	5	0 - 90
Urologic Disease	45	2	0 - 69	54	0	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	140
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	84
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST LUKE'S MEMORIAL HOSPITAL

S 711 COWLEY
SPOKANE, WA 99210

Medicare Hospital Provider Number: 500035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	620	10	8 - 14	575	10	7 - 14
Cancer	18	33	17 - 60	12	33	20 - 71
Cerebrovascular Accidents	39	31	14 - 44	24	13	11 - 41
Gastrointestinal Catastrophes	4	25	3 - 80	3	33	4 - 86
Infectious Disease	11	27	14 - 66	4	25	4 - 80
Metabolic/Electrolyte Disorders	15	7	11 - 47	12	25	4 - 57
Pulmonary Disease	50	16	14 - 38	24	17	7 - 41
Renal Failure	3	67	12 - 95	2	50	7 - 96
Severe Acute Heart Disease	12	33	18 - 68	17	41	21 - 66
Severe Chronic Heart Disease	18	28	7 - 49	30	17	11 - 40
Severe Trauma	0	-	-	3	33	4 - 86
Gastrointestinal Disease	33	3	0 - 28	28	4	0 - 57
Gynecologic Disease	7	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	52	0	1 - 10	34	9	0 - 43
Musculoskeletal/Skin Conditions	123	2	0 - 9	106	1	0 - 10
Neuropsychiatric/Sensory Disease	29	0	0 - 58	23	4	0 - 98
Urologic Disease	21	5	0 -100	40	2	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	146
Occupancy Rate (%):	27
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	480
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	76
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. LUKE'S MEMORIAL HOSPITAL

South 711 Cowley

Post Office Box 288
Spokane, WA
99210-0288

(509) 838-4771

Medicare Provider Number
500035

October 18, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Colleagues in Health Care:

In review of the 1987 HCFA mortality data, St. Luke's Memorial Hospital offers the following comments.

St. Luke's Memorial Hospital has been serving the health care needs of Spokane and the Inland Northwest since 1897. Known for its comprehensive work in rehabilitation, neurology, orthopedics, home health care, eye surgery and outpatient services, St. Luke's is a fully accredited 145-bed, not-for-profit hospital. The rehabilitation unit treats primarily brain injury and stroke patients.

The medical staff and quality assurance committees review all mortality cases to assure that care is appropriate and consistent with the severity of the illness. In addition to a case by case review, cumulative data is prepared and analyzed on a consistent basis. Information obtained as a result of these reviews is used in efforts to maintain a high standard of care.

If we can be of further assistance, please do not hesitate to call.

With Best Regards,

Thomas M. White

Thomas M. White
President

Empire Health Services

ST PETER HOSPITAL

413 N LILLY ROAD
OLYMPIA, WA 98501

Medicare Hospital Provider Number: 500024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,794	12	9 - 13	3,067	13	10 - 15
Cancer	91	33	25 - 49	114	41	27 - 49
Cerebrovascular Accidents	131	25	17 - 34	161	29	19 - 36
Gastrointestinal Catastrophes	29	45	19 - 57	27	19	27 - 61
Infectious Disease	19	26	14 - 55	22	36	16 - 58
Metabolic/Electrolyte Disorders	40	20	15 - 45	40	38	10 - 45
Pulmonary Disease	121	26	15 - 34	175	27	17 - 34
Renal Failure	16	56	13 - 70	10	30	15 - 77
Severe Acute Heart Disease	89	48	28 - 50	128	41	31 - 50
Severe Chronic Heart Disease	128	28	16 - 33	126	30	17 - 35
Severe Trauma	17	29	11 - 58	6	17	6 - 70
Gastrointestinal Disease	171	6	1 - 10	174	3	1 - 8
Gynecologic Disease	41	0	0 -100	59	0	0 - 92
Low-Risk Heart Disease	362	4	2 - 7	337	4	2 - 7
Musculoskeletal/Skin Conditions	282	3	1 - 6	310	2	1 - 6
Neuropsychiatric/Sensory Disease	68	4	0 - 34	62	3	1 - 15
Urologic Disease	153	1	1 - 6	141	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	340
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	196
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	311
Licensed Practical Nurses:	77

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST. CABRINI HOSPITAL OF SEATTLE

920 TERRY AVE
SEATTLE, WA 98104

Medicare Hospital Provider Number: 500034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	850	11	8 - 13	927	10	8 - 13
Cancer	25	60	18 - 57	22	68	24 - 63
Cerebrovascular Accidents	37	24	15 - 44	31	26	13 - 45
Gastrointestinal Catastrophes	10	40	12 - 69	6	33	8 - 75
Infectious Disease	3	33	5 - 87	5	60	8 - 80
Metabolic/Electrolyte Disorders	13	23	4 - 55	11	9	2 - 53
Pulmonary Disease	41	32	13 - 43	48	27	16 - 43
Renal Failure	2	0	3 - 89	10	30	14 - 77
Severe Acute Heart Disease	19	32	21 - 62	15	33	16 - 62
Severe Chronic Heart Disease	49	24	13 - 38	47	19	16 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	42	5	0 - 28	48	0	1 - 11
Gynecologic Disease	9	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	67	3	1 - 13	79	3	1 - 11
Musculoskeletal/Skin Conditions	62	5	0 - 21	84	0	1 - 7
Neuropsychiatric/Sensory Disease	165	0	1 - 5	182	1	0 - 6
Urologic Disease	31	3	0 - 68	29	0	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	160
Occupancy Rate (%):	61
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	121
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	98
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. FRANCIS COMMUNITY HOSPITAL

34515 - 9TH AVENUE SOUTH
FEDERAL WAY,, WA 98003

Medicare Hospital Provider Number: 500141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	220	13	8 - 17	0	-	-
Cancer	4	50	8 - 84	0	-	-
Cerebrovascular Accidents	5	20	4 - 74	0	-	-
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	4	25	9 - 83	0	-	-
Metabolic/Electrolyte Disorders	4	50	2 - 83	0	-	-
Pulmonary Disease	16	25	7 - 51	0	-	-
Renal Failure	1	100	2 - 97	0	-	-
Severe Acute Heart Disease	13	46	21 - 71	0	-	-
Severe Chronic Heart Disease	11	0	11 - 43	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	17	0 - 97	0	-	-
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	19	11	0 - 83	0	-	-
Musculoskeletal/Skin Conditions	17	6	0 - 96	0	-	-
Neuropsychiatric/Sensory Disease	18	0	0 - 87	0	-	-
Urologic Disease	14	0	0 - 99	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	110
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	141
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST. MARY MEDICAL CENTER

401 W POPLAR ST
WALLA WALLA , WA 99362

Medicare Hospital Provider Number: 500002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,157	10	9 - 14	1,095	11	9 - 14
Cancer	47	36	28 - 58	44	32	25 - 56
Cerebrovascular Accidents	44	20	14 - 39	36	28	11 - 41
Gastrointestinal Catastrophes	18	39	14 - 60	8	38	7 - 69
Infectious Disease	8	25	9 - 67	12	17	16 - 62
Metabolic/Electrolyte Disorders	5	0	1 - 69	14	14	14 - 56
Pulmonary Disease	38	24	11 - 40	28	43	9 - 47
Renal Failure	3	100	13 - 88	7	57	16 - 85
Severe Acute Heart Disease	38	32	25 - 55	53	36	26 - 53
Severe Chronic Heart Disease	43	21	12 - 37	43	5	15 - 31
Severe Trauma	13	23	10 - 59	8	38	8 - 71
Gastrointestinal Disease	74	4	0 - 20	83	2	1 - 12
Gynecologic Disease	18	0	0 -100	15	7	0 -100
Low-Risk Heart Disease	111	2	1 - 8	108	3	1 - 10
Musculoskeletal/Skin Conditions	140	2	1 - 8	111	4	0 - 16
Neuropsychiatric/Sensory Disease	48	6	0 - 41	47	2	0 - 24
Urologic Disease	66	6	0 - 61	68	0	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	48
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	74
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	109
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Mary
Medical Center

Post Office Box 1477 • 401 West Poplar Street
Walla Walla, WA 99362-0312 • (509) 525-3320

21 October 1988

Health Standards & Quality Bureau, HCFA
ATTN: Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

[redacted]

Dear Mrs. Kappert:

Please note one correction in the data listed under hospital statistics:

> St. Mary Medical Center, Walla Walla, Washington does have a Coronary Care Unit. It has an 11-bed, combined, Coronary and Intensive Care Unit.

In response to the 1987 Calendar Year Mortality Statistics for renal failure showing a 100% mortality rate with 3 cases reviewed:

1. Each of these 3 individuals had longterm arteriosclerotic cardiovascular disease processes involving several other body systems as well.
2. St. Mary Medical Center does not have renal dialysis capabilities (other than peritoneal dialysis). A large percentage of patients with renal failure seen at St. Mary Medical Center are at the end stage of their disease process, as were these.
3. A sample of 3 cases in a year's time does not provide adequate data for a statistically valid clinical piture in any disease category.

Thank you for this opportunity to respond.

Sincerely yours,

Mary Ann Huesby

Mary Ann Huesby, R.N.
Utilization Review Coordinator
St. Mary Medical Center

MAH:pa:1021

STEVENS MEMORIAL HOSPITAL

21600 76TH AVENUE WEST
EDMONDS, WA 98020

Medicare Hospital Provider Number: 500026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,563	12	10 - 15	1,446	13	10 - 15
Cancer	49	39	29 - 59	36	42	26 - 59
Cerebrovascular Accidents	65	26	14 - 37	66	32	18 - 42
Gastrointestinal Catastrophes	14	50	17 - 68	16	31	16 - 62
Infectious Disease	14	50	11 - 62	9	0	17 - 57
Metabolic/Electrolyte Disorders	16	13	16 - 55	20	40	12 - 56
Pulmonary Disease	54	22	15 - 39	70	23	16 - 38
Renal Failure	6	50	6 - 79	9	56	11 - 77
Severe Acute Heart Disease	81	46	29 - 52	75	51	30 - 54
Severe Chronic Heart Disease	87	30	16 - 36	67	19	15 - 35
Severe Trauma	2	0	5 - 89	4	75	3 - 80
Gastrointestinal Disease	84	4	1 - 14	85	2	0 - 13
Gynecologic Disease	20	0	0 -100	21	0	0 -100
Low-Risk Heart Disease	138	2	2 - 8	128	5	1 - 11
Musculoskeletal/Skin Conditions	167	1	1 - 6	163	2	1 - 8
Neuropsychiatric/Sensory Disease	62	2	0 - 14	37	3	0 - 35
Urologic Disease	71	1	0 - 19	64	2	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 198
Occupancy Rate (%): 64
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 185
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: 0
Registered Nurses: 157
Licensed Practical Nurses: 53

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

SUNNYSIDE GENERAL HOSPITAL

1319 SAUL ROAD
SUNNYSIDE, WA 98944

Medicare Hospital Provider Number: 500086

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	407	11	9 - 16	469	14	9 - 17
Cancer	11	64	19 - 72	14	71	28 - 74
Cerebrovascular Accidents	10	10	7 - 53	20	30	13 - 53
Gastrointestinal Catastrophes	4	50	7 - 83	5	0	8 - 65
Infectious Disease	8	25	9 - 68	8	13	11 - 64
Metabolic/Electrolyte Disorders	6	17	2 - 71	13	23	9 - 58
Pulmonary Disease	27	22	7 - 42	23	17	11 - 45
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	24	38	24 - 62	14	50	15 - 64
Severe Chronic Heart Disease	29	17	9 - 38	34	35	13 - 46
Severe Trauma	0	-	-	1	0	3 - 98
Gastrointestinal Disease	44	0	1 - 13	43	0	1 - 13
Gynecologic Disease	9	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	25	8	0 - 69	50	4	1 - 18
Musculoskeletal/Skin Conditions	24	0	0 - 56	33	3	0 - 66
Neuropsychiatric/Sensory Disease	6	0	0 -100	4	0	0 -100
Urologic Disease	40	0	0 - 28	33	0	0 - 34

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	41
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SWEDISH HOSPITAL MEDICAL CENTER

747 SUMMIT AVE
SEATTLE, WA 98104

Medicare Hospital Provider Number: 500027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,894	11	10 - 14	5,207	11	10 - 14
Cancer	236	34	33 - 51	285	38	34 - 52
Cerebrovascular Accidents	168	30	19 - 35	193	23	20 - 35
Gastrointestinal Catastrophes	49	20	26 - 54	52	31	22 - 53
Infectious Disease	32	31	18 - 53	43	42	24 - 56
Metabolic/Electrolyte Disorders	72	32	17 - 44	59	25	14 - 42
Pulmonary Disease	166	22	18 - 35	194	28	19 - 36
Renal Failure	39	15	6 - 54	39	31	11 - 61
Severe Acute Heart Disease	148	32	32 - 50	161	27	31 - 48
Severe Chronic Heart Disease	171	21	19 - 33	162	22	18 - 32
Severe Trauma	13	31	10 - 61	15	33	14 - 63
Gastrointestinal Disease	244	5	1 - 8	264	3	2 - 7
Gynecologic Disease	79	1	0 - 95	82	0	0 - 90
Low-Risk Heart Disease	516	4	2 - 6	464	7	2 - 7
Musculoskeletal/Skin Conditions	798	3	1 - 5	828	2	1 - 4
Neuropsychiatric/Sensory Disease	130	2	1 - 9	173	3	0 - 9
Urologic Disease	190	2	0 - 8	208	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	597
Occupancy Rate (%):	74
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	485
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	31
Registered Nurses:	819
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

TACOMA GENERAL HOSPITAL

315 S 'K' ST
TACOMA, WA 98405

Medicare Hospital Provider Number: 500129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,990	12	10 - 14	3,034	14	10 - 14
Cancer	148	39	30 - 51	137	41	31 - 52
Cerebrovascular Accidents	132	31	19 - 37	163	28	20 - 36
Gastrointestinal Catastrophes	20	30	13 - 56	27	33	16 - 54
Infectious Disease	24	33	16 - 55	20	30	18 - 60
Metabolic/Electrolyte Disorders	22	36	12 - 54	39	38	13 - 47
Pulmonary Disease	125	22	15 - 33	132	30	17 - 36
Renal Failure	5	60	7 - 82	3	100	18 - 95
Severe Acute Heart Disease	140	32	27 - 46	119	38	29 - 48
Severe Chronic Heart Disease	102	22	15 - 33	115	23	17 - 34
Severe Trauma	9	22	6 - 63	7	43	7 - 73
Gastrointestinal Disease	158	8	1 - 12	148	5	1 - 10
Gynecologic Disease	44	0	0 -100	40	2	0 -100
Low-Risk Heart Disease	396	5	2 - 7	395	5	2 - 7
Musculoskeletal/Skin Conditions	365	1	1 - 4	371	3	1 - 6
Neuropsychiatric/Sensory Disease	50	8	0 - 33	41	2	0 - 30
Urologic Disease	119	2	0 - 20	105	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#): 315
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 26
Registered Nurses: 29
Licensed Practical Nurses: 151

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

MultiCare

P.O. Box 5299 Tacoma, Washington 98405-0986 (206) 594-1000

October 10, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

To Whom It May Concern:

We have received the mortality information regarding Medicare patients discharged from our hospital in 1987. We are pleased to note that these results validate what our internal quality assurance mechanisms have shown regarding the high quality of care provided at Tacoma General Hospital.

Our 1987 statistics indicate we are well within the range for predicted mortality for all categories. We are pleased to note that in twelve of the categories we see a marked decrease in mortalities, compared to 1986 data including the category of "all causes". Since our 1986 data indicated we fell within predicted mortality ranges for hospitals of our size and complexity, this improvement in 1987 reflects our goal to continue to provide high quality patient care.

Sincerely,

Barry Connoley

Mr. Barry Connoley
President/Chief Executive Officer
MultiCare Medical Center/Tacoma General Hospital
315 So. "K" Street, P.O. Box 5299
Tacoma, Washington 98405-0986

BC/tb

cc: John Coombs, M.D.
Lind Simonson
Mona Humphrey

Tacoma General Hospital • Mary Bridge Children's Hospital and Health Center
Associated Health Services • Mary Bridge Foundation • Medis Corporation

TRI-STATE MEMORIAL HOSPITAL

1221 HIGHLAND AVE (P O BOX 151
CLARKSTON, WA 99403

Medicare Hospital Provider Number: 500057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	362	8	5 - 11	420	8	6 - 13
Cancer	3	33	2 - 86	8	63	20 - 80
Cerebrovascular Accidents	8	13	5 - 59	13	23	11 - 57
Gastrointestinal Catastrophes	5	40	4 - 78	5	60	9 - 81
Infectious Disease	1	0	3 -100	0	-	-
Metabolic/Electrolyte Disorders	7	14	2 - 66	12	8	5 - 49
Pulmonary Disease	12	0	6 - 38	16	13	12 - 49
Renal Failure	1	0	2 - 97	0	-	-
Severe Acute Heart Disease	8	38	12 - 72	12	42	20 - 72
Severe Chronic Heart Disease	16	31	6 - 52	12	25	6 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 74	29	3	0 - 65
Gynecologic Disease	5	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	22	0	0 - 32	47	2	0 - 20
Musculoskeletal/Skin Conditions	65	0	0 - 14	66	0	0 - 13
Neuropsychiatric/Sensory Disease	15	7	0 -100	18	0	0 - 94
Urologic Disease	30	0	0 - 49	27	0	0 - 88

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 58
Occupancy Rate (%): 28
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 55
Percent of Physicians Who Are Board Certified Specialists: 69
Interns and Residents: 0
Registered Nurses: 42
Licensed Practical Nurses: 41

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

UNITED GENERAL HOSPITAL

1917 HIGHWAY 20 (P O BOX 410)
SEDRO WOOLLEY, WA 98284

Medicare Hospital Provider Number: 500093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	776	11	11 - 17	846	14	11 - 17
Cancer	24	46	24 - 64	17	35	25 - 70
Cerebrovascular Accidents	20	20	11 - 48	44	34	19 - 48
Gastrointestinal Catastrophes	7	57	10 - 75	12	33	15 - 67
Infectious Disease	9	11	15 - 64	3	0	9 - 82
Metabolic/Electrolyte Disorders	13	23	11 - 59	19	32	9 - 53
Pulmonary Disease	58	19	15 - 38	46	30	16 - 44
Renal Failure	2	0	3 - 89	3	33	7 - 90
Severe Acute Heart Disease	45	22	25 - 51	38	32	25 - 55
Severe Chronic Heart Disease	34	21	10 - 39	36	19	11 - 39
Severe Trauma	0	-	-	2	50	3 - 92
Gastrointestinal Disease	42	2	0 - 29	43	7	1 - 27
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	85	2	1 - 11	80	7	1 - 17
Musculoskeletal/Skin Conditions	74	3	1 - 12	96	5	0 - 20
Neuropsychiatric/Sensory Disease	18	6	0 - 80	23	0	0 - 53
Urologic Disease	33	0	0 - 51	29	10	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 97
Occupancy Rate (%): 40
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 66
Percent of Physicians Who Are Board Certified Specialists: 86
Interns and Residents: 0
Registered Nurses: 56
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

UNIVERSITY HOSPITAL

1959 NE PACIFIC ST
SEATTLE, WA 98195

Medicare Hospital Provider Number: 500008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,665	9	8 - 12	1,629	10	8 - 12
Cancer	87	29	28 - 51	65	45	30 - 58
Cerebrovascular Accidents	29	24	13 - 45	27	33	11 - 47
Gastrointestinal Catastrophes	9	22	13 - 68	7	43	11 - 76
Infectious Disease	9	11	10 - 59	9	56	14 - 73
Metabolic/Electrolyte Disorders	18	6	13 - 45	20	25	10 - 51
Pulmonary Disease	41	29	20 - 49	35	31	11 - 43
Renal Failure	9	33	5 - 71	17	18	1 - 66
Severe Acute Heart Disease	38	32	19 - 50	39	38	24 - 55
Severe Chronic Heart Disease	39	21	11 - 38	39	15	14 - 38
Severe Trauma	1	0	0 - 98	1	0	0 -100
Gastrointestinal Disease	47	2	0 - 22	39	5	0 - 31
Gynecologic Disease	22	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	391	8	2 - 8	379	7	3 - 9
Musculoskeletal/Skin Conditions	177	1	1 - 6	175	0	1 - 4
Neuropsychiatric/Sensory Disease	95	1	1 - 9	102	2	0 - 11
Urologic Disease	42	0	0 - 27	31	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	381
Occupancy Rate (%):	79
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	120
Registered Nurses:	639
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

VA HOSP

4815 N ASSEMBLY ST
SPOKANE, WA 99208

Medicare Hospital Provider Number: 50011F

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	100	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA (not available)

Total Beds (#):	206
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VALLEY GENERAL HOSPITAL

14701 179TH SE
MONROE, WA 98272

Medicare Hospital Provider Number: 500084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	190	8	7 - 15	247	13	7 - 16
Cancer	2	50	3 - 92	2	0	6 - 90
Cerebrovascular Accidents	8	38	5 - 67	12	42	7 - 60
Gastrointestinal Catastrophes	3	0	3 - 79	1	100	1 - 97
Infectious Disease	2	50	1 - 93	0	-	-
Metabolic/Electrolyte Disorders	1	100	3 - 98	4	0	1 - 75
Pulmonary Disease	16	25	8 - 52	21	19	7 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	0	11 - 56	10	30	15 - 69
Severe Chronic Heart Disease	14	7	7 - 43	11	36	8 - 62
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 -100	14	7	0 - 99
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	16	13	0 - 98	28	4	1 - 29
Musculoskeletal/Skin Conditions	17	0	0 - 86	29	7	0 - 94
Neuropsychiatric/Sensory Disease	2	0	0 -100	7	0	0 -100
Urologic Disease	15	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	71
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

VALLEY HOSPITAL & MEDICAL CENTER

12606 EAST MISSION AVENUE
SPOKANE, WA 99216

Medicare Hospital Provider Number: 500119

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,078	11	10 - 15	1,135	11	9 - 14
Cancer	26	35	21 - 58	38	50	26 - 59
Cerebrovascular Accidents	47	19	15 - 39	47	30	17 - 44
Gastrointestinal Catastrophes	20	25	15 - 56	21	24	16 - 56
Infectious Disease	9	33	17 - 74	11	27	11 - 63
Metabolic/Electrolyte Disorders	8	13	1 - 69	12	8	7 - 49
Pulmonary Disease	76	20	14 - 34	59	22	17 - 41
Renal Failure	4	0	8 - 77	3	33	9 - 91
Severe Acute Heart Disease	57	26	30 - 55	38	47	27 - 59
Severe Chronic Heart Disease	60	27	16 - 39	53	13	15 - 35
Severe Trauma	3	67	2 - 86	0	-	-
Gastrointestinal Disease	78	3	1 - 12	83	5	1 - 15
Gynecologic Disease	7	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	117	4	1 - 11	143	6	1 - 12
Musculoskeletal/Skin Conditions	101	4	0 - 15	131	2	1 - 7
Neuropsychiatric/Sensory Disease	14	0	0 - 83	16	6	0 - 89
Urologic Disease	71	3	0 - 23	69	0	1 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	123
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	127
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Valley Hospital and Medical Center

East 12606 Mission

Post Office Box 288
Spokane, WA
99210-0288

(509) 924-6650

Medicare Provider Number
500119

October 18, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Colleagues in Health Care:

This letter is in response to the release of Valley Hospital and Medical Center's 1987 mortality data.

Valley Hospital and Medical Center provides a well-rounded program of patient-centered health care. Its broad scope of services includes major medical, surgical, critical care and family-centered maternity/pediatric care. It is a non-profit, 123-bed acute care facility.

The medical staff at Valley Hospital and Medical Center conducts an intensive review of the medical records of every patient who dies in our hospital to assure that the care was appropriate and consistent with the severity of the illness.

The vice president of quality assurance and directors of medical records and utilization management review mortality data in conjunction with appropriate medical staff members and quality assurance committees.

If we can be of further assistance, please do not hesitate to call.

With Best Regards,

Thomas M. White
President

Empire
Health
Services

VALLEY MEDICAL CENTER

400 S 43RD ST
RENTON, WA 98055

Medicare Hospital Provider Number: 500088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,866	12	9 - 14	1,809	14	10 - 14
Cancer	75	51	27 - 53	59	54	28 - 57
Cerebrovascular Accidents	53	34	16 - 42	61	28	15 - 39
Gastrointestinal Catastrophes	24	29	14 - 54	28	39	16 - 55
Infectious Disease	14	21	14 - 59	18	28	15 - 58
Metabolic/Electrolyte Disorders	33	3	9 - 33	42	21	14 - 45
Pulmonary Disease	90	23	17 - 38	75	27	17 - 39
Renal Failure	9	33	10 - 74	7	43	14 - 83
Severe Acute Heart Disease	73	48	28 - 52	73	45	27 - 51
Severe Chronic Heart Disease	106	18	15 - 32	90	30	14 - 35
Severe Trauma	2	50	1 - 93	3	0	2 - 80
Gastrointestinal Disease	91	3	0 - 16	81	2	0 - 13
Gynecologic Disease	33	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	169	5	1 - 10	172	4	1 - 9
Musculoskeletal/Skin Conditions	233	3	1 - 7	254	4	1 - 7
Neuropsychiatric/Sensory Disease	60	3	0 - 36	66	6	0 - 25
Urologic Disease	93	1	0 - 11	72	1	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	282
Occupancy Rate (%):	66
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	224
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	12
Registered Nurses:	279
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

400 South 43rd Street
Renton, WA 98055
206•228•3450

Valley
Medical
Center

October 17, 1988

William L. Roper, M.D.
Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

This letter is in response to the mortality information provided to us last month.

We note that the 1987 mortality rates for Valley Medical Center are within the expected range for all the groups of patients described in your letter. This is as we anticipated. You may be interested to know that Valley Medical Center has a comprehensive patient care monitoring program, and that physicians and staff members routinely review records of all patients who die while hospitalized at this facility, as a means of identifying opportunities for improvement in patient care. We have identified no adverse trends in our reviews.

For the period covered by your report this in depth review system was in place. Data from other sources such as HCFA, is however, valuable in confirming our findings.

Valley Medical Center is a 303 bed acute care community hospital. We have a number of specialty areas - Oncology (including a Radiation Oncology Program), Cardiology, Orthopedics, Rehabilitative Medicine, as well as general medicine and surgery. Because of our specialized services, we receive referrals of patients in "high-risk" categories, such as those with diagnoses of cancer and heart disease.

Although the accuracy of the Medicare data has not been checked, a small number of minor errors were noted in the samples we audited.

Thank you for providing an opportunity of responding to the 1987 mortality data release.

Sincerely,

Richard Roodman
Administrator

RR/to

VANCOUVER MEMORIAL HOSPITAL

3400 MAIN ST
VANCOUVER, WA 98663

Medicare Hospital Provider Number: 500050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	619	13	10 - 17	550	11	9 - 15
Cancer	23	52	21 - 62	21	57	19 - 61
Cerebrovascular Accidents	12	25	9 - 58	10	10	12 - 56
Gastrointestinal Catastrophes	7	43	6 - 72	3	33	4 - 86
Infectious Disease	11	18	10 - 59	3	100	13 - 85
Metabolic/Electrolyte Disorders	15	27	7 - 54	12	17	4 - 54
Pulmonary Disease	36	25	14 - 44	23	22	13 - 48
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	54	35	26 - 53	29	28	22 - 55
Severe Chronic Heart Disease	21	14	7 - 41	26	27	10 - 45
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	29	3	0 - 35	28	7	0 - 72
Gynecologic Disease	25	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	54	2	1 - 14	55	2	1 - 13
Musculoskeletal/Skin Conditions	49	4	0 - 33	59	2	0 - 16
Neuropsychiatric/Sensory Disease	19	0	0 - 65	12	0	0 -100
Urologic Disease	23	0	0 - 40	12	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	192
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	121
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

VIRGINIA MASON HOSPITAL

925 SENECA STREET
SEATTLE, WA 98101

Medicare Hospital Provider Number: 500005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,158	8	10 - 14	3,161	8	10 - 14
Cancer	241	34	32 - 50	220	29	33 - 52
Cerebrovascular Accidents	86	15	16 - 33	69	17	18 - 38
Gastrointestinal Catastrophes	39	21	23 - 54	37	27	24 - 57
Infectious Disease	13	23	16 - 63	11	36	15 - 69
Metabolic/Electrolyte Disorders	22	23	8 - 48	18	22	6 - 49
Pulmonary Disease	81	19	16 - 36	81	23	20 - 41
Renal Failure	32	3	4 - 51	34	15	5 - 56
Severe Acute Heart Disease	95	26	28 - 48	82	27	29 - 51
Severe Chronic Heart Disease	104	18	16 - 33	91	19	16 - 34
Severe Trauma	5	0	8 - 66	5	40	5 - 78
Gastrointestinal Disease	167	1	2 - 7	167	1	1 - 6
Gynecologic Disease	36	0	0 -100	35	0	0 -100
Low-Risk Heart Disease	403	2	2 - 6	372	3	2 - 6
Musculoskeletal/Skin Conditions	285	1	1 - 5	331	1	1 - 5
Neuropsychiatric/Sensory Disease	115	2	1 - 9	133	4	0 - 13
Urologic Disease	175	1	0 - 7	182	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	310
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	199
Percent of Physicians Who Are Board Certified Specialists:	96
Interns and Residents:	0
Registered Nurses:	390
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

VIRGINIA MASON
Hospital

October 24, 1988

Virginia Mason Hospital
Provider Number 50-0005

William L. Roper, M.D.
Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper,

Thank you for the opportunity to comment once again on the Health Care Financing Administration's (HCFA) Medicare mortality data for Virginia Mason Hospital.

Virginia Mason Hospital, established in 1920, is a 336-bed tertiary care facility. A majority of our patients have major medical illnesses and require very specialized treatment. Many of our patients come from other states including Alaska, Montana, Idaho, and Utah, so we are considered a regional referral center. As a full service medical facility, Virginia Mason offers comprehensive care in the areas of heart, cancer, diabetes, and urology, to name just a few.

Virginia Mason is committed to offering its patients the highest quality health care possible. Part of that commitment includes carefully reviewing the medical records of every patient who receives care at our hospital. We continually monitor our patient care delivery systems to make sure our medical staff, as well as our methods of care and treatment, meet the strict criteria developed by our Quality Assurance Program. We immediately investigate any indication of potential quality problems and take prompt action to improve our hospital's performance.

Physicians, administrators and other Virginia Mason Hospital personnel carefully reviewed the statistics HCFA used for this report. HCFA reported on 3,158 Virginia Mason patients. This number represents 62 percent of all Medicare patients cared for at Virginia Mason Hospital in 1987. HCFA statistics predicted that the number of Medicare patients who expired 30 days from admission to the hospital would fall between 10 and 14 percent in 1987. Virginia Mason's actual Medicare mortality rate for that period was eight percent, lower than our predicted range.

Although the HCFA statistics indicate a low Medicare mortality rate for Virginia Mason, we agree with HCFA's consumer warning that these statistics cannot be used for judging or comparing the actual quality

925 Seneca Street
P.O. Box 1930
Seattle, WA 98111
Telephone (206) 624-1144

of care provided by different hospitals.

We also would like to submit the following corrections regarding Virginia Mason Hospital's 1987 characteristics to be printed in the HCFA report:

characteristic:	correction:
beds (#):	336
percent of physicians who are board certified specialists:	95%
coronary care unit:	yes

We respect the efforts made by HCFA to help focus on quality assurance activities and appreciate the opportunity to comment on this information.

Sincerely,

Donald R Olson

Donald R. Olson
Administrator

cc: Leo Greenawalt
President and Chief Executive Officer
Washington State Hospital Association

Jack W. Owen
Executive Vice President
American Hospital Association

WALLA WALLA GENERAL HOSPITAL

1025 S SECOND AVE
WALLA WALLA, WA 99362

Medicare Hospital Provider Number: 500049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	544	12	8 - 14	555	10	8 - 14
Cancer	10	60	15 - 70	14	50	18 - 68
Cerebrovascular Accidents	19	32	9 - 51	11	18	11 - 58
Gastrointestinal Catastrophes	4	25	5 - 80	5	20	5 - 74
Infectious Disease	5	20	5 - 74	6	17	10 - 72
Metabolic/Electrolyte Disorders	8	0	7 - 51	12	25	11 - 61
Pulmonary Disease	23	30	9 - 48	18	17	12 - 49
Renal Failure	3	0	10 - 85	1	100	1 - 97
Severe Acute Heart Disease	34	59	27 - 60	21	43	22 - 63
Severe Chronic Heart Disease	20	15	6 - 41	27	37	11 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	45	2	0 - 31	46	4	1 - 21
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	65	3	0 - 17	56	2	1 - 14
Musculoskeletal/Skin Conditions	56	0	0 - 21	57	4	0 - 55
Neuropsychiatric/Sensory Disease	15	0	0 - 79	25	0	0 - 49
Urologic Disease	20	0	0 - 75	24	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	33
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	52
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WEST SEATTLE COMMUNITY HOSPITAL

2600 SW HOLDEN ST
SEATTLE, WA 98126

Medicare Hospital Provider Number: 500017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	434	13	9 - 16	524	11	10 - 16
Cancer	9	56	19 - 77	14	57	24 - 73
Cerebrovascular Accidents	18	39	12 - 56	25	32	13 - 50
Gastrointestinal Catastrophes	4	50	6 - 83	4	50	8 - 84
Infectious Disease	3	0	9 - 82	6	17	7 - 70
Metabolic/Electrolyte Disorders	9	0	9 - 49	10	0	8 - 46
Pulmonary Disease	33	27	12 - 44	29	21	11 - 42
Renal Failure	3	67	12 - 94	1	0	0 - 99
Severe Acute Heart Disease	13	23	25 - 70	33	33	26 - 58
Severe Chronic Heart Disease	30	27	11 - 43	22	14	11 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	8	0 - 95	26	0	1 - 22
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	27	4	0 - 48	47	2	1 - 15
Musculoskeletal/Skin Conditions	59	2	0 - 16	68	1	0 - 13
Neuropsychiatric/Sensory Disease	5	20	0 -100	9	0	0 - 96
Urologic Disease	31	0	0 - 66	24	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 64
Occupancy Rate (%): 31
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 45
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 0
Registered Nurses: 50
Licensed Practical Nurses: 4

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WHIDBEY GENERAL HOSPITAL

MAIN STREET (P O BOX 400)
COUPEVILLE, WA 98239

Medicare Hospital Provider Number: 500122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	544	10	8 - 14	515	13	9 - 16
Cancer	11	55	16 - 70	12	33	18 - 69
Cerebrovascular Accidents	18	28	8 - 50	28	32	10 - 45
Gastrointestinal Catastrophes	7	29	13 - 75	6	0	10 - 62
Infectious Disease	7	29	10 - 72	5	40	15 - 85
Metabolic/Electrolyte Disorders	7	29	4 - 69	3	33	1 - 88
Pulmonary Disease	19	5	9 - 37	29	24	9 - 42
Renal Failure	2	50	1 - 93	1	0	0 - 99
Severe Acute Heart Disease	41	22	24 - 51	41	41	24 - 55
Severe Chronic Heart Disease	21	19	9 - 44	22	27	6 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	3	0 - 58	37	3	0 - 36
Gynecologic Disease	11	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	60	5	0 - 21	47	11	0 - 36
Musculoskeletal/Skin Conditions	49	4	0 - 59	33	3	0 - 67
Neuropsychiatric/Sensory Disease	14	7	0 -100	18	6	0 - 58
Urologic Disease	47	0	0 - 22	40	2	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	51
Occupancy Rate (%):	47
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	51
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITMAN COMMUNITY HOSPITAL

P O BOX 32
COLFAX, WA 99111

Medicare Hospital Provider Number: 500074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	164	12	10 - 20	198	11	8 - 18
Cancer	6	67	12 - 78	7	14	12 - 68
Cerebrovascular Accidents	6	0	11 - 60	6	0	7 - 58
Gastrointestinal Catastrophes	8	13	9 - 63	2	50	3 - 92
Infectious Disease	4	25	5 - 80	7	43	10 - 74
Metabolic/Electrolyte Disorders	0	-	-	2	50	0 - 95
Pulmonary Disease	14	29	13 - 60	17	18	7 - 47
Renal Failure	0	-	-	1	0	0 - 99
Severe Acute Heart Disease	3	100	18 - 91	6	33	12 - 78
Severe Chronic Heart Disease	6	17	5 - 68	6	33	5 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	8	0 - 80	12	0	0 - 99
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	14	0	0 - 71	28	4	0 - 32
Musculoskeletal/Skin Conditions	10	0	0 -100	14	7	0 - 99
Neuropsychiatric/Sensory Disease	6	0	0 - 99	5	0	0 - 89
Urologic Disease	13	0	0 - 99	11	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	14
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILLAPA HARBOR HOSPITAL

P O BOX 187
SOUTH BEND, WA 98586

Medicare Hospital Provider Number: 500069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	196	19	11 - 22	206	17	11 - 22
Cancer	4	50	12 - 87	8	63	25 - 85
Cerebrovascular Accidents	8	13	5 - 59	12	25	10 - 58
Gastrointestinal Catastrophes	1	100	0 - 98	1	0	3 - 98
Infectious Disease	3	67	4 - 86	1	100	1 - 97
Metabolic/Electrolyte Disorders	2	50	0 - 98	5	20	3 - 74
Pulmonary Disease	25	32	12 - 49	30	20	13 - 44
Renal Failure	0	-	-	1	100	0 - 99
Severe Acute Heart Disease	14	50	21 - 70	13	62	21 - 70
Severe Chronic Heart Disease	19	32	10 - 52	8	13	6 - 59
Severe Trauma	0	-	-	1	100	0 - 99
Gastrointestinal Disease	7	0	0 -100	9	0	0 - 93
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	26	0	1 - 21	29	3	0 - 36
Musculoskeletal/Skin Conditions	15	0	0 - 92	15	13	0 - 97
Neuropsychiatric/Sensory Disease	5	20	0 -100	7	14	0 -100
Urologic Disease	7	14	0 -100	5	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	19
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

YAKIMA VALLEY MEMORIAL HOSPITAL

2811 TIETON DRIVE
YAKIMA, WA 98902

Medicare Hospital Provider Number: 500036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,786	10	9 - 14	1,910	11	9 - 14
Cancer	83	42	32 - 57	79	46	30 - 56
Cerebrovascular Accidents	62	26	15 - 39	70	27	16 - 39
Gastrointestinal Catastrophes	18	22	17 - 58	15	27	16 - 62
Infectious Disease	10	10	17 - 62	21	33	16 - 58
Metabolic/Electrolyte Disorders	22	18	14 - 51	24	17	11 - 46
Pulmonary Disease	78	19	15 - 36	78	31	17 - 40
Renal Failure	5	60	11 - 85	2	50	3 - 93
Severe Acute Heart Disease	78	33	28 - 50	72	47	29 - 54
Severe Chronic Heart Disease	50	18	14 - 37	74	19	16 - 35
Severe Trauma	1	0	0 - 98	3	67	3 - 86
Gastrointestinal Disease	111	1	1 - 7	108	8	1 - 15
Gynecologic Disease	37	0	0 -100	47	0	0 -100
Low-Risk Heart Disease	115	5	1 - 12	146	3	2 - 9
Musculoskeletal/Skin Conditions	203	1	1 - 6	235	1	1 - 5
Neuropsychiatric/Sensory Disease	101	2	0 - 13	118	3	0 - 13
Urologic Disease	137	1	0 - 11	142	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	224
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	176
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	167
Licensed Practical Nurses:	72

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Technical Appendix

TECHNICAL APPENDIX

METHODOLOGY

The Data Base

The data that are analyzed in this report are drawn from the MEDPAR file, which is assembled and updated quarterly by the Bureau of Data Management and Strategy in HCFA. This file is constructed from information on hospitalizations submitted to HCFA by hospitals through fiscal intermediaries. Data obtained from the Social Security Administration also contribute to the file. The data include the age, sex and date of death of each Medicare beneficiary. Because each beneficiary is assigned a unique health insurance claim number, it is possible to link hospitalizations longitudinally. Prior hospitalizations and readmissions can be found, as well as the date of death, whenever and wherever it occurred.

The hospitalizations in this file are segregated by the year of discharge. The data used in these analyses were drawn from the 1985, 1986 and 1987 discharges. The update cycles used for these years were 12/31/87, 6/10/88 and 6/10/88, respectively.

The process of data management consisted of selecting discharges from acute-care hospitals, calculating analytical variables that required data from prior hospitalizations and selecting the last discharge for each beneficiary for 1986 and 1987. The following rules were used to select discharges from acute-care hospitals:

1) Include only discharges from short-term (general and specialty) hospitals. These hospitals have a 0 in the third position of their "provider number."

2) Exclude discharges from psychiatric units, rehabilitation units, swing-beds and alcohol/drug units. These records have "provider codes" of S, T, U and V, respectively.

3) Exclude discharges from special cost centers. These are designated by a 9 in the fourth position of the "provider number."

4) Exclude discharges where the date of death precedes the date of admission, because these are obvious data errors.

Variables dependent on data from prior hospitalizations were calculated as follows:

1) For each beneficiary, sort the discharges in descending order by "discharge date" and "admission date" and stack the discharges for the current and prior years.

2) For the last discharge in the current year, determine whether the beneficiary at admission was transfered from another hospital. Operationally, the "discharge destination" for the prior discharge must be coded as a discharge to a short-term hospital, and the "discharge date" for the prior discharge must be no more than one day prior to the "admission date" for the last discharge.

3) For each discharge, use the principal diagnosis (the first "diagnostic code") to determine the diagnostic category as defined in Table 2 of the Introduction. Diagnoses that are not listed in this table are placed in a residual category of intermediate risk.

4) For the last discharge of the current year, count the number of admissions by diagnostic category that occurred within the 182 days prior to the admission date for this discharge.

Subsequently, the last discharges for 1986 and 1987 were selected and segregated by diagnostic categories into separate files for analysis. Only hospitals that had discharges in 1987 were considered for publication. Canadian and emergency hospitals were excluded. Six other hospitals were excluded because they terminated operations prior to 1987 or because their "provider number" was invalid.

Mortality Rates

In this project, the definition of mortality used to calculate mortality rates was death within 30 days of admission. The choice of a fixed period of 30 days after admission avoids biases that might occur if in-hospital deaths only were counted. Sufficient followup is available to permit complete estimation of mortality rates based upon this choice. Choosing a specific discharge avoids multiple counts of the same death. The last discharge for the year is biased to higher short-term risk.

Diagnostic Categories

Lists of the ICD-9-CM codes included in each diagnostic category are found in Table 2 of the Introduction to this report. The lists were constructed to represent diagnostic categories that are medically coherent and rather homogeneous with respect to risk of death.

Grouping was performed by combining clinically related diagnostic clusters when associated mortality rates were similar to one another. For each primary diagnosis, these rates were calculated from the 5% random sample of Medicare discharges for 1985 and 1986. For instance, Klebsiella pneumonia (482.0, 1385 patients, observed mortality = 24.3%) and Pseudomonas pneumonia (482.1, 1416 patients, observed mortality = 25.2%) were combined in the Pulmonary Disease category, as were subarachnoid hemorrhage (430, 525 patients, observed mortality = 47.8%) and intracerebral hemorrhage (431, 2883 patients, observed mortality = 42.9%), in the Cerebrovascular Accidents category.

These aggregations are generally analogous to the categories used in the 1987 analysis, but are more risk-homogeneous. In some cases, risk categories were expanded to incorporate a broader range of related conditions associated with similar risks of subsequent mortality, such as expanding ophthalmology to include psychiatric and other sensory system disorders or expanding low risk orthopedic conditions to include low risk dermatologic and muscular disorders.

In other instances, conditions were transferred to new categories based on empirical evidence that associated mortality rates were higher or lower than previously anticipated. For example, cancer of the salivary gland, gums, mouth, and oropharynx (142-146, observed mortality = 8.8%) was moved from high risk cancer to the intermediate risk category (average mortality = 8.5%), paroxysmal ventricular tachycardia (427.1, observed mortality 8.9%) was moved from the severe acute heart disease to the intermediate risk category, acute and chronic gastric ulcers with perforation, with and without hemorrhage (531.1, 531.2, 531.5, 531.6, observed mortality = 21.8%) was moved from low risk GI disease to GI catastrophe, pneumonia due to H. influenzae (482.2, observed mortality = 8.6%) was moved from high risk pulmonary to the intermediate risk category, fracture of the femur (820, 821, observed mortality = 6.1%) was moved from high risk trauma to the intermediate risk category, and chronic glomerulonephritis and other nephritis and nephropathy (582, 583, observed mortality 2.2%) was moved from high risk renal to low risk urologic disease. The new categories were reviewed for clinical and coding consistency and face validity, and final adjustments were made. Final adjustments included combining myocardial infarctions in a single risk group since coding variations among institutions made separation into different categories problematic, and removing italicized ICD-9-CM diagnoses from named risk groups since they are not valid principal diagnoses.

Demographic Variables

As in 1987, age and sex variables were used to characterize each patient. The sex variable is an indicator variable, as shown in Table 1. The patient's age was expressed in the 1987 Mortality Release by indicator variables in six categories, 65, 65-69, 70-74, 75-79, 80-84, and 85. For the 1988 Mortality Release, the age relative to 65 years and the square of this variable, as shown in Table 1, replaced the categorical age variables.

Comorbidity Variables

As in 1987, the secondary diagnoses (0-4 in number, "diagnostic codes" 2-5) were used to construct variables indicating the presence of comorbidities. The eight comorbidity indicator variables used in the analyses are: diabetes (DI), chronic pulmonary disease (OP), cancer (CA), chronic liver disease (LV), chronic renal disease (RN), cerebral vascular degeneration or chronic psychosis (CE), hypertensive disease (HY) and chronic cardiovascular disease (CV). The ICD-9-CM codes defining these variables are the same as were used in 1987 and are listed in Table 3 of the Introduction.

Prior History Variables

In the 1987 Mortality Release, the number of prior admissions was not based on a fixed interval of time prior to the admission date for the last discharge of the year, but included only prior admissions with discharges in the same calendar year (1986). Also all admissions were counted without any distinction among the risks associated with various prior admissions. In the 1988 Mortality Release, prior admissions are counted for a fixed interval of six months prior to the admission date for the last discharge of the year, and separate counts of prior admissions are made for three risk levels. They are admissions with high, low and intermediate risk. In Table 2 of the Introduction, diagnostic categories are defined as high risk or low risk. The intermediate risk category is composed of ICD-9-CM codes not listed in that table. Indicator variables are defined for the high risk category, as shown in Table 1, as PH1 if there was one prior high risk admission, PH2 if there were two and PH3M if there were three or more. Similar variables are defined for low risk (PL1, PL2, PL3M) and intermediate risk (PU1, PU2, PU3M) admissions. The indicator variable TRIN records whether or not the patient was transfered into the hospital from another acute-care hospital.

Analytic Techniques

The principal analytic tool was logistic regression (see, for example, Cox (1970)). Because the diagnostic categories are mutually exclusive, the analyses to ascertain the influence of patient characteristics (demographics, comorbidities and prior histories) were carried out separately for each category.

The probability π that a patient dies within 30 days of admission depends on the patient's characteristics x_i. Table 1 lists the covariates used in the logistic model for this year's analysis. Generally the same variables were used across all diagnostic categories. There are some exceptions. For example, the variable sex is not included as a covariate in the analyses for the diagnostic category gynecologic disease. In all other cases, the model is the same, with the occasional omission of one or more variables because of estimation difficulties (See Tables 2 and 3).

The dependence of π on these variables is specified by a logistic model:

$$\log\ (\pi/(1-\pi)) = \Sigma_i \beta_i x_i .$$

The regression coefficients β_i are estimated by the method of maximum likelihood. It is possible then to estimate the probability of dying for a patient from his or her characteristics x_i. By averaging over all the patients for whom treatment in a given hospital is being evaluated, the estimated mortality rate for that hospital is found. This analysis is carried out for each individual diagnostic category (the 16 explicitly defined categories as well as the residual category). The coefficients for each diagnostic category are shown in Table 2 for the 1987 data and in Table 3 for the 1986 data. Blank spaces in these tables mean that the corresponding variables were not used in the model. This is the same as fixing the parameter estimates for the unused variables at zero. Calculations were performed using the SAS procedure LOGIST as described by the SAS Institute (1986).

In addition to the estimates of regression coefficients for the logistic regression model, Tables 2 and 3 also display the model chi-square, based on the likelihood ratio, the number of cases and the number of deaths, for each of the diagnostic categories. The model chi-square has 22 degrees of freedom in most cases. The exceptions occur when one or more variables are removed from the model. In these cases, the degrees of freedom are reduced by one for each variable removed from the model. In all cases, the model chi-square is highly significant ($P < 0.001$). Note that the coefficients from 1987 and 1986 data are generally similar, as can be seen clearly in Table 4. The major differences occur in low risk categories or when there are only a few cases associated with the variable. In these situations, the parameter estimates are less stable. For example, there are relatively few cases associated with the variables for three or more prior admissions within six months. The regression coefficients in Tables 2 and 3 were used to estimate the probability of death within 30 days of the last admission in 1987 or 1986 for a 1987 "average case" for each of the diagnostic categories, as shown in Table 4. The "average case" is a hypothetical "patient" whose characteristics correspond to average values of each variable within a diagnostic category. The mortality rate for this 1987 "average case" using the 1986 and 1987 coefficients is displayed in Table 4 along with the average observed mortality rate. Note the similarity of the data for 1986 and 1987. Note also that the average observed and the average predicted mortality rates must be equal, but that the predicted mortality rate for the "average case" differs from them somewhat because of the inverse logit transformation that is needed to convert the sum of the products of the average values of the variables and the regression coefficients to a probability of dying. Since there is no way to know that a given admission will result in the last discharge of the year, these equations generally should not be used for predicting the outcome for individual cases.

The second quantity required of the analyses was an estimate of the uncertainty in the mortality rate expressed as a range of predicted rates encompassing a specified proportion (95%) of the probable values. For this it is necessary to compute the variance of the probability of death at a given hospital.

There are two components of variance included in our calculation of the range of mortality for a hospital. The first is the sampling variance, which is estimated by:

$$SV_j = B_j(1-B_j) / N_j,$$

where

$$B_j = (N_j p_j + 1) / (N_j + 2),$$

and p_j is the observed proportion of persons who had died among the N_j persons at risk, within a specified diagnostic category (or overall). B_j is a Bayesian estimate of the probability of dying.

The second component arises from the systematic differences among hospitals in the identified factors included in the logistic model. This contribution to the variance is estimated by:

$$IHV_j = (1-(1/N_j))\ V$$

where V, the inter-hospital variance, is

$$V = \Sigma_j\ (P_j - \bar{P})^2\ (N_j / N_t).$$

P_j is the predicted mortality rate and N_j is the number of cases at risk at hospital j. $N_t = \Sigma_j N_j$ is the total number of cases at risk and $\bar{P} = (\Sigma_j N_j P_j) / N_t$ is the average mortality rate, in the category under consideration. To see how this formula arises, consider the basic identity (Kendall, Stuart and Ord, 1983, p.212):

$$Var(x) = E_\theta \{Var_{x|\theta}(x)\} + Var_\theta \{E_{x|\theta}(x)\}.$$

When this formula is applied to a binomial random variable x, the result is

$$Var(x) = n\ E_\theta \{\theta\}(1-E_\theta\{\theta\}) + n(n-1)\ Var_\theta\{\theta\}$$

as given by Mosimann (1962, equation 36). From this it follows that

$$\mathrm{Var}(x/n) = \mathrm{Var}(x) / n^2 = (E_\theta\{\theta\}(1-E_\theta\{\theta\})) / n + (1-(1/n)) \mathrm{Var}\{\theta\}$$

where $V\{\theta\} = V$, the constant inter-hospital variance. Values of V for each diagnostic category are in Table 4.

The ranges of predicted mortality rates given in this publication encompass 95% of the probable values on a logit scale, which ensures that the range neither goes below zero nor above 100%. On the logit scale, the range of predicted values P is given by:

$$R_j = \log(P_j/(1-P_j)) \pm 1.96(\sqrt{SV_j + IHV_j}) / (P_j(1-P_j)).$$

Retransformed to the probability scale, the upper end of the range is:

$$\exp(R_+) / (1 + \exp(R_+))$$

and the lower end is:

$$\exp(R_-) / (1 + \exp(R_-))$$

where R_+ is the value of R taken with the + sign and R_- is the value of R taken with the - sign.

The tabulation of the numbers of cases at risk (i. e., the number of patients whose last discharge in 1987 was from the given hospital), of the percentage of these persons who died within 30 days of the date of admission for that hospitalization, and of the range of predicted mortality rates encompassing 95% of the probable values on the logit scale forms the core of the present publication. A similar display is also included for the 1986 data.

An implication that bears importantly on year-to-year stability of rankings is that there remain important sources of variability in outcomes associated with variations in patient characteristics (such as severity of illness) and other factors that have not been taken into account in the models used in the present analyses.

References

David R. Cox (1970) The Analysis of Binary Data, London: Chapman and Hall.

Maurice Kendall, Alan Stuart and J. Keith Ord (1983) The Advanced Theory of Statistics, Vol. 3, 4th Ed., New York: Macmillan.

James E. Mosimann (1962) "On the compound multinomial distribution, the multivariate β-distribution, and correlations among proportions," Biometrika, 49, 65-82.

SAS Institute Inc. (1986) SUGI Supplemental Library User's Guide, Version 5 Edition, Cary, NC: SAS Institute, Inc.

TABLE 1

Covariates used in the logistic models for the 1988 Hospital Mortality Release. Generally the same variables are used for all diagnostic categories. The two-letter codes for comorbidities are defined in terms of ICD-9-CM codes in Table 3 of the Introduction to this report.

Intercept	Constant added into the logistic model in all cases.

Demographics

RAG	Age of patient in years divided by 65.
RAGSQ	RAG squared.
SEX	An indicator variable: Male 0 and Female 1.

Comorbidities (Indicator variables)

DI	1 if patient has diabetes, 0 if not.
OP	1 if chronic pulmonary disease, 0 if not.
CA	1 if cancer, 0 if not.
LV	1 if chronic liver disease, 0 if not.
RN	1 if chronic renal disease, 0 if not.
CE	1 if cerebrovascular degeneration or chronic psychosis, 0 if not.
HY	1 if hypertensive disease, 0 if not.
CV	1 if chronic cardiovascular disease, 0 if not.

Prior Histories (Indicator variables)

PH1	1 if patient has had 1 recent high-risk admission, 0 if not.
PH2	1 if patient has had 2 recent high-risk admissions, 0 if not.
PH3M	1 if patient has had 3 recent high-risk admissions, 0 if not.
PL1	1 if patient has had 1 recent low-risk admission, 0 if not.
PL2	1 if patient has had 2 recent low-risk admissions, 0 if not.
PL3M	1 if patient has had 3 recent low-risk admissions, 0 if not.
PU1	1 if patient has had 1 recent medium-risk admission, 0 if not.
PU2	1 if patient has had 2 recent medium-risk admissions, 0 if not.
PU3M	1 if patient has had 3 recent medium-risk admissions, 0 if not.
TRIN	1 if patient was transfered into the hospital, 0 if not.

Recent means within six months (182 days) before the admission date on the last discharge.

Table 2

1987
Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 2.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.9591	0.1846	1.1997	0.2163	-5.2813	0.2800	-2.3087	0.2017	-3.5635	0.2663	-4.7226	0.4824
RAG	-1.6335	0.3285	-6.6151	0.3659	-1.5611	0.5229	-0.4696	0.3734	-5.5355	0.4572	-5.5282	0.8185
RAGSQ	1.3503	0.1465	3.7120	0.1544	2.2297	0.2447	1.2330	0.1746	4.2574	0.1972	4.4686	0.3499
SEX	-0.2402	0.0094	-0.0476	0.0099	-0.5750	0.0287	-0.1175	0.0199	-0.1243	0.0185	0.5935	0.0350
DI	-0.1024	0.0258	0.1020	0.0165	0.1759	0.0587	-0.1638	0.0415	0.2683	0.0400	0.4540	0.0636
OP	-0.0561	0.0141	0.1279	0.0185	0.3559	0.0436	0.0051	0.0359	0.2458	0.0285	0.1487	0.0535
CA	0.5768	0.0093	0.8097	0.0252	1.9331	0.0441	1.0668	0.0340	1.6400	0.0301	1.4296	0.0452
LV	1.3567	0.0417	0.9674	0.0741	0.8902	0.1032	0.9094	0.0259	1.3731	0.0523	1.4221	0.1900
RN	1.0472	0.0364	0.8796	0.0314	1.6159	0.0678	0.6804	0.0411	1.4903	0.0431	1.4730	0.0594
CE	-0.0632	0.0394	-0.6277	0.0291	0.2072	0.0601	-0.5066	0.0825	0.0970	0.0636	0.5856	0.0843
HY	-0.3680	0.0492	-0.0778	0.0226	-0.0419	0.1010	-0.3043	0.0760	-0.1481	0.0642	-0.0122	0.1146
CV	0.3520	0.0118	0.3532	0.0097	0.6803	0.0304	0.5708	0.0221	0.7706	0.0186	0.9333	0.0323
PH1	0.9049	0.0111	0.4668	0.0149	1.0171	0.0409	0.4431	0.0263	1.0073	0.0263	1.1523	0.0425
PH2	1.3110	0.0199	0.8399	0.0344	1.6964	0.0753	0.5912	0.0461	1.4578	0.0538	1.5987	0.0906
PH3M	1.5586	0.0339	1.2198	0.0752	1.9332	0.1458	0.5752	0.0666	1.8720	0.1031		
PU1	0.4216	0.0129	0.3815	0.0163	0.5417	0.0398	0.2922	0.0263	0.5258	0.0251	0.6359	0.0416
PU2	0.6721	0.0242	0.6588	0.0401	0.9497	0.0767	0.4900	0.0517	0.9993	0.0487	1.0869	0.0809
PU3M	0.8003	0.0291	0.7082	0.0782	1.4732	0.1082	0.5197	0.0815	1.0673	0.0858	1.5890	0.1328
TRIN	-0.2626	0.0293	-0.0471	0.0357	0.5169	0.1053	0.3129	0.0627	0.6705	0.0692	0.6464	0.1219
PL1	0.1573	0.0162	0.1208	0.0159	0.1455	0.0378	0.1427	0.0301	0.2183	0.0250	0.1653	0.0433
PL2	0.1772	0.0437	0.1758	0.0411	0.1414	0.0801	0.1743	0.0731	0.3797	0.0533	0.4906	0.0895
PL3M	0.1269	0.1044	0.3631	0.0888	0.0705	0.1537	0.1452	0.1591	0.2971	0.1094	0.8340	0.1643
TOTAL NUM.	216,565		240,896		245,185		52,907		451,765		277,784	
DEATHS	89,692		63,407		5,633		18,329		13,776		4,634	
MODEL CHI-SQ.	23,809		11,842		7,524		5,215		16,232		7,689	

Table 2.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST SE	EST	SE	
INTERCEPT	-9.1786	0.3010	-3.1645	0.2327	-1.9582	0.1666	-0.3864	0.1743	-3.2048	0.2537	-3.3135	0.2154
RAG			-4.6780	0.4036	-1.7762	0.2847	-3.4967	0.3051	0.2668	0.4302	-5.8135	0.3778
RAGSQ	2.3124	0.2106	3.3811	0.1750	1.7348	0.1215	2.6778	0.1335	0.8351	0.1827	4.2440	0.1665
SEX			-0.2982	0.0129	-0.2375	0.0092	-0.0383	0.0088	-0.4303	0.0160	-0.4685	0.0192
DI	0.9843	0.2244	0.2989	0.0241	-0.0471	0.0155	0.1744	0.0155	-0.0804	0.0329	0.3664	0.0349
OP	0.1323	0.2781	0.2005	0.0200	0.0032	0.0117	-0.1526	0.0142	0.0243	0.0273	0.4635	0.0297
CA	2.1844	0.1861	1.5089	0.0244	0.8028	0.0211	0.5563	0.0256	1.6174	0.0200	1.8846	0.0285
LV	1.8871	0.5508	1.2272	0.0787	0.7108	0.0435	1.0323	0.0751	0.8660	0.0693	1.5729	0.0798
RN	2.2304	0.3106	1.1843	0.0297	0.7261	0.0159	0.8167	0.0253	0.6416	0.0304	1.6414	0.0448
CE	0.3470	0.4731	0.0348	0.0444	-0.0814	0.0318	-0.5037	0.0376	-0.2641	0.0316	0.2949	0.0490
HY	0.3073	0.3791	-0.1699	0.0362	-0.3986	0.0280	-0.2861	0.0250	-0.2003	0.0612	0.0462	0.0641
CV	1.3402	0.1349	0.5437	0.0133	0.0804	0.0092	0.2520	0.0093	0.6250	0.0174	0.9847	0.0193
PH1	1.6812	0.1924	0.8796	0.0162	0.6334	0.0106	0.4255	0.0132	0.5445	0.0190	1.0584	0.0288
PH2	2.9031	0.4044	1.4401	0.0306	0.9506	0.0165	0.8011	0.0285	0.7757	0.0346	1.4467	0.0623
PH3M			2.0347	0.0535	1.1726	0.0231	1.1723	0.0571	1.0184	0.0616	2.1872	0.1133
PU1	0.9758	0.1835	0.4561	0.0188	0.3210	0.0128	0.3565	0.0153	0.3166	0.0200	0.4935	0.0279
PU2	1.1076	0.4287	0.8606	0.0392	0.5318	0.0270	0.6332	0.0372	0.4251	0.0382	0.9696	0.0545
PU3M	1.5589	0.6383	1.1950	0.0658	0.6545	0.0489	0.9770	0.0669	0.6245	0.0574	1.4334	0.0845
TRIN	1.3584	0.8502	0.6728	0.0247	0.4610	0.0362	-0.4480	0.0235	0.3256	0.1310	0.8660	0.0862
PL1	-0.3050	0.2295	0.1905	0.0159	0.1086	0.0133	0.1103	0.0139	0.0448	0.0232	0.0407	0.0270
PL2	0.6264	0.4710	0.2546	0.0299	0.1217	0.0300	0.1501	0.0323	0.0580	0.0568	0.0861	0.0616
PL3M			0.4261	0.0480	0.2047	0.0572	0.3722	0.0619	-0.1159	0.1335	-0.0071	0.1383
TOTAL NUM.	61,870		818,849		311,444		246,665		105,282		585,696	
DEATHS	273		27,786		70,762		94,172		26,485		13,186	
MODEL CHI-SQ	667		21,104		19,097		14,457		14,966		18,616	

Table 2.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.6009	0.1260	-4.7164	0.2568	-2.2654	0.1841	-1.4983	0.4342	-3.5263	0.0652
RAG	-1.1518	0.2161	2.4880	0.4744	-0.2282	0.3274	-1.3583	0.7978	-2.4574	0.1146
RAGSQ	1.7081	0.0927	0.5723	0.2186	0.9669	0.1465	1.4598	0.3676	2.4350	0.0507
SEX	-0.3345	0.0086	-0.1322	0.0252	-0.1198	0.0162	-0.2443	0.0435	-0.2930	0.0052
DI	0.1040	0.0182	0.1180	0.0406	-0.0070	0.0271	-0.0629	0.1099	0.1689	0.0104
OP	-0.3019	0.0103	0.2304	0.0498	-0.0529	0.0308	-0.2491	0.0836	0.2396	0.0074
CA	1.0701	0.0137	0.9455	0.0430	0.7369	0.0237	0.8208	0.1094	1.1744	0.0070
LV	0.6490	0.0482	1.2631	0.1042	0.9764	0.0597	1.1583	0.2114	1.4285	0.0192
RN	0.8493	0.0215	-0.0693	0.0369	0.7499	0.0313	1.1097	0.1679	1.0659	0.0115
CE	0.0284	0.0187	-0.0107	0.0758	-0.3244	0.0425	-0.4878	0.1103	0.0186	0.0146
HY	-0.2986	0.0327	-0.3446	0.0479	-0.3185	0.0673	-0.1716	0.1790	-0.2222	0.0186
CV	0.3876	0.0086	0.6419	0.0259	0.5171	0.0175	0.5752	0.0469	0.6601	0.0053
PH1	0.6818	0.0105	0.3766	0.0300	0.5626	0.0199	0.1086	0.0694	0.9182	0.0069
PH2	0.9608	0.0192	0.6510	0.0520	0.7310	0.0368	0.3808	0.1633	1.3266	0.0137
PH3M	1.2271	0.0338	1.0370	0.0839	0.9597	0.0658	0.9237	0.3318	1.6233	0.0251
PU1	0.5299	0.0114	0.3242	0.0317	0.4128	0.0199	0.2128	0.0718	0.4829	0.0064
PU2	0.8180	0.0227	0.4157	0.0577	0.6202	0.0363	0.4006	0.1684	0.7516	0.0109
PU3M	1.0552	0.0378	0.7940	0.0869	0.7960	0.0558	0.8103	0.3126	0.7356	0.0146
TRIN	0.1327	0.0419	0.1808	0.0533	0.4457	0.0721	-0.1722	0.1057	0.4225	0.0173
PL1	0.2341	0.0135	0.1925	0.0355	0.1490	0.0235	-0.0263	0.0720	0.1152	0.0078
PL2	0.2659	0.0337	0.3193	0.0797	0.2329	0.0566	-0.2338	0.1915	0.1074	0.0187
PL3M	0.2878	0.0754	0.4619	0.1810	0.2501	0.1322	0.2520	0.3722	0.0855	0.0407
TOTAL NUM.	339,986		33,325		77,856		11,777		2,200,419	
DEATHS	87,977		12,531		27,664		3,306		187,048	
MODEL CHI-SQ	38,547		6,125		6,964		621		144,234	

Table 3

1986
Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 3.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.6935	0.1711	1.2702	0.2119	-5.0334	0.2787	-2.4782	0.2041	-4.6046	0.2977	-4.9166	0.4960
RAG	-2.0718	0.3060	-6.6604	0.3596	-2.0634	0.5218	-0.1881	0.3780	-3.7139	0.5078	-5.3277	0.8391
RAGSQ	1.5499	0.1373	3.7428	0.1522	2.4025	0.2450	1.1097	0.1769	3.4668	0.2170	4.5152	0.3568
SEX	-0.2593	0.0092	-0.0565	0.0099	-0.6174	0.0289	-0.1210	0.0201	-0.0971	0.0185	0.4567	0.0341
DI	-0.0272	0.0262	0.0901	0.0168	0.1705	0.0602	-0.1277	0.0430	0.3501	0.0402	0.3537	0.0657
OP	-0.1000	0.0144	0.1143	0.0191	0.3318	0.0449	0.0242	0.0366	0.2072	0.0296	0.3862	0.0496
CA	0.5851	0.0092	0.8364	0.0258	1.8688	0.0467	1.0402	0.0349	1.5772	0.0309	1.3949	0.0443
LV	1.2564	0.0407	0.9586	0.0740	1.1024	0.0990	0.8965	0.0259	1.2942	0.0551	1.4362	0.1772
RN	1.0298	0.0361	0.9586	0.0318	1.5581	0.0702	0.6505	0.0412	1.6787	0.0420	1.4506	0.0577
CE	-0.0221	0.0400	-0.6970	0.0305	0.3764	0.0591	-0.4242	0.0824	0.0921	0.0657	0.4479	0.0916
HY	-0.3215	0.0467	-0.0427	0.0218	-0.1194	0.1018	-0.1737	0.0736	-0.1337	0.0618	-0.0633	0.1163
CV	0.3175	0.0118	0.3192	0.0097	0.7138	0.0305	0.5685	0.0226	0.7724	0.0188	0.8915	0.0318
PH1	0.8905	0.0108	0.4851	0.0147	1.1647	0.0401	0.5078	0.0264	1.0110	0.0263	1.0662	0.0423
PH2	1.3003	0.0186	0.8945	0.0343	1.5354	0.0800	0.5598	0.0463	1.4630	0.0545	1.6150	0.0845
PH3M	1.5546	0.0307	1.2319	0.0715	2.1298	0.1384	0.7163	0.0638	1.9491	0.0945	1.9744	0.1628
PU1	0.4014	0.0125	0.3670	0.0161	0.5563	0.0395	0.2703	0.0267	0.5007	0.0252	0.7208	0.0389
PU2	0.7303	0.0237	0.6878	0.0381	1.0727	0.0727	0.4299	0.0509	0.8482	0.0498	1.0602	0.0766
PU3M	0.7999	0.0287	0.9325	0.0753	1.3039	0.1118	0.4267	0.0799	1.2691	0.0786	1.5561	0.1256
TRIN	-0.2505	0.0292	-0.1440	0.0353	0.6729	0.1012	0.3272	0.0622	0.6357	0.0736	0.2013	0.1316
PL1	0.1639	0.0158	0.1246	0.0157	0.1131	0.0377	0.1974	0.0297	0.2120	0.0248	0.2379	0.0404
PL2	0.2254	0.0418	0.2646	0.0388	0.1614	0.0778	0.3439	0.0705	0.2968	0.0537	0.4307	0.0839
PL3M	0.1770	0.0989	0.2803	0.0871	-0.1251	0.1570	0.3168	0.1550	0.4594	0.0995	0.4725	0.1783
TOTAL NUM	222,229		238,401		270,607		52,534		461,326		271,619	
DEATHS	93,522		64,594		5,542		18,040		13,703		4,922	
MODEL CHISQ	25,026		12,188		7,273		5,175		16,023		8,032	

Table 3.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-6.0902	1.4498	-3.4160	0.2212	-1.6133	0.1692	-0.5198	0.1701	-2.5712	0.2549	-3.7309	0.2242
RAG	-5.5378	2.5669	-4.2268	0.3845	-2.4500	0.2892	-3.1937	0.2987	-1.1829	0.4326	-5.0932	0.3922
RAGSQ	4.7783	1.1535	3.1875	0.1673	2.0516	0.1233	2.5477	0.1310	1.5576	0.1840	3.9324	0.1723
SEX			-0.3070	0.0130	-0.2495	0.0092	-0.0478	0.0087	-0.4780	0.0163	-0.4855	0.0193
DI	0.1866	0.3101	0.2941	0.0250	-0.0197	0.0160	0.1450	0.0158	0.0318	0.0342	0.3539	0.0365
OP	0.5395	0.2405	0.1872	0.0207	0.0077	0.0120	-0.1629	0.0144	0.0252	0.0287	0.3840	0.0315
CA	2.2193	0.1759	1.4997	0.0255	0.8415	0.0212	0.6057	0.0259	1.6491	0.0208	1.9165	0.0288
LV	1.6894	0.6300	1.1551	0.0807	0.8547	0.0438	1.1809	0.0751	0.9253	0.0716	1.5156	0.0806
RN	2.6680	0.2904	1.2739	0.0302	0.7806	0.0164	0.8464	0.0253	0.6618	0.0312	1.6090	0.0468
CE	0.9116	0.3657	0.0700	0.0454	-0.1465	0.0332	-0.4865	0.0385	-0.2090	0.0328	0.2731	0.0516
HY	-0.5363	0.5140	-0.1274	0.0348	-0.3400	0.0270	-0.3097	0.0243	-0.2524	0.0613	0.0238	0.0638
CV	1.3407	0.1327	0.5839	0.0133	0.1184	0.0092	0.2506	0.0090	0.6640	0.0177	1.0189	0.0195
PH1	1.0216	0.2113	0.9189	0.0161	0.6290	0.0106	0.4733	0.0130	0.5411	0.0194	0.9992	0.0292
PH2	1.6429	0.5046	1.4469	0.0310	0.9750	0.0166	0.8402	0.0282	0.8648	0.0347	1.5330	0.0602
PH3M			1.9382	0.0537	1.2485	0.0234	1.2165	0.0565	0.9935	0.0616	2.0814	0.1047
PU1	1.1173	0.1706	0.4277	0.0188	0.3470	0.0128	0.3501	0.0151	0.3306	0.0202	0.5565	0.0273
PU2	2.1093	0.2979	0.8318	0.0382	0.5611	0.0267	0.6626	0.0353	0.5036	0.0384	0.9047	0.0549
PU3M	2.2081	0.6138	0.9628	0.0702	0.7711	0.0481	0.9840	0.0650	0.6713	0.0572	1.3180	0.0858
TRIN	0.9013	0.7009	0.7265	0.0258	0.5468	0.0377	-0.3246	0.0243	0.2211	0.1395	0.7031	0.0868
PL1	0.4276	0.1768	0.1796	0.0160	0.1214	0.0133	0.1137	0.0136	0.0428	0.0233	0.0564	0.0266
PL2	0.9956	0.3936	0.2855	0.0294	0.1428	0.0298	0.2299	0.0313	0.0182	0.0546	0.1999	0.0587
PL3M	0.2168	1.1080	0.4296	0.0471	0.1918	0.0573	0.2938	0.0630	-0.2231	0.1276	0.3776	0.1113
TOTAL NUM	60,709		806,069		306,819		252,802		106,268		598,973	
DEATHS	292		27,612		71,429		98,629		25,226		12,993	
MODEL CHISQ	742		21,313		20,525		15,388		15,173		18,431	

Table 3.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.4297	0.1257	-5.3676	0.2513	-1.9628	0.1900	-1.2194	0.4088	-3.6987	0.0657
RAG	-1.6417	0.2157	4.0378	0.4657	-0.8787	0.3385	-1.6280	0.7616	-2.1326	0.1156
RAGSQ	1.9832	0.0927	-0.1729	0.2153	1.3268	0.1517	1.5136	0.3558	2.3068	0.0511
SEX	-0.3399	0.0087	-0.1521	0.0249	-0.1357	0.0166	-0.2379	0.0439	-0.3210	0.0051
DI	0.0955	0.0189	0.1173	0.0406	-0.0102	0.0289	0.1980	0.1100	0.1557	0.0107
OP	-0.3001	0.0106	0.1944	0.0515	-0.0513	0.0332	-0.3725	0.0878	0.2494	0.0076
CA	1.0634	0.0142	1.0241	0.0434	0.7422	0.0249	1.1083	0.1114	1.1908	0.0069
LV	0.8483	0.0480	1.5236	0.1083	0.9560	0.0634	1.1229	0.2031	1.4421	0.0190
RN	0.9741	0.0217	-0.0975	0.0366	0.8834	0.0323	1.1905	0.1593	1.0938	0.0116
CE	0.0463	0.0197	-0.1517	0.0812	-0.2689	0.0439	-0.9687	0.1333	0.0093	0.0150
HY	-0.3062	0.0315	-0.4059	0.0461	-0.3765	0.0692	-0.5217	0.1900	-0.2185	0.0183
CV	0.3822	0.0087	0.6109	0.0257	0.5128	0.0183	0.5865	0.0477	0.6784	0.0053
PH1	0.7077	0.0107	0.3839	0.0296	0.5894	0.0203	0.0373	0.0718	0.8865	0.0069
PH2	1.0172	0.0193	0.6771	0.0504	0.7663	0.0367	0.4404	0.1499	1.3351	0.0135
PH3M	1.2355	0.0334	0.8575	0.0795	1.0428	0.0657	0.7899	0.3126	1.6613	0.0244
PU1	0.5472	0.0115	0.3206	0.0310	0.3753	0.0205	0.1126	0.0720	0.4908	0.0063
PU2	0.8525	0.0231	0.6637	0.0561	0.6278	0.0369	0.2373	0.1725	0.8060	0.0106
PU3M	1.0659	0.0374	0.7923	0.0922	0.8401	0.0550	0.8693	0.2744	0.8532	0.0140
TRIN	0.1941	0.0435	0.1664	0.0511	0.4250	0.0740	-0.1804	0.1057	0.4715	0.0173
PL1	0.2260	0.0135	0.1230	0.0347	0.1273	0.0238	-0.0378	0.0724	0.1093	0.0077
PL2	0.1862	0.0334	0.4177	0.0799	0.2285	0.0558	0.3079	0.1735	0.1382	0.0181
PL3M	0.3574	0.0720	0.6154	0.1578	0.4217	0.1292	-0.6078	0.4822	0.0787	0.0385
TOTAL NUM	338,897		34,173		73,283		11,730		2,229,542	
DEATHS	86,566		13,299		26,783		3,326		190,843	
MODEL CHISQ	40,378		6,793		7,093		688		150,640	

Table 4

Comparison of 1986 and 1987 Parameter Estimates

Table 4.1

Diagnostic Category: Cancer(CA)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-0.694	-0.959
RAG	1.134	-2.072	-1.633
RAGSQ	1.286	1.550	1.350
SEX	0.487	-0.259	-0.240
DI	0.034	-0.027	-0.102
OP	0.126	-0.100	-0.056
CA	0.485	0.585	0.577
LV	0.014	1.256	1.357
RN	0.018	1.030	1.047
CE	0.014	-0.022	-0.063
HY	0.010	-0.321	-0.368
CV	0.191	0.318	0.352
PH1	0.221	0.890	0.905
PH2	0.060	1.300	1.311
PH3M	0.021	1.555	1.559
PU1	0.150	0.401	0.422
PU2	0.038	0.730	0.672
PU3M	0.260	0.800	0.800
TRIN	0.025	-0.251	-0.263
PL1	0.087	0.164	0.157
PL2	0.011	0.225	0.177
PL3M	0.002	0.177	0.127
TOTAL CASES		222,229	216,565
DEATHS		93,522	89,692
Mortality	Average Case	45.1%	44.9%
	Observed	42.1%	41.4%
Interhospital Variance		0.00137	0.00130
MODEL CHISQ		25,026	23,809

Table 4.2

Diagnostic Category: CEREBROVASCULAR ACCIDENTS(CE)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	1.270	1.200
RAG	1.192	-6.660	-6.615
RAGSQ	1.422	3.743	3.712
SEX	0.582	-0.057	-0.048
DI	0.093	0.090	0.102
OP	0.070	0.114	0.128
CA	0.300	0.836	0.810
LV	0.003	0.959	0.967
RN	0.019	0.959	0.880
CE	0.038	-0.697	-0.628
HY	0.048	-0.043	-0.078
CV	0.382	0.319	0.353
PH1	0.107	0.485	0.467
PH2	0.015	0.895	0.840
PH3M	0.003	1.232	1.220
PU1	0.081	0.367	0.381
PU2	0.011	0.688	0.659
PU3M	0.003	0.932	0.708
TRIN	0.018	-0.144	-0.047
PL1	0.093	0.125	0.121
PL2	0.012	0.265	0.176
PL3M	0.002	0.280	0.363
TOTAL CASES		238,401	240,896
DEATHS		64,594	63,407
Mortality	Average Case	29.3%	28.3%
	Observed	27.1%	26.3%
Interhospital Variance		0.00044	0.00039
MODEL CHISQ		12,188	11,842

Table 4.3

Diagnostic Category: NEUROPSYCHIATRIC/SENSORY(EY)			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-5.033	-5.281
RAG	1.069	-2.063	-1.561
RAGSQ	1.143	2.402	2.230
SEX	0.580	-0.617	-0.575
DI	0.052	0.171	0.176
OP	0.074	0.332	0.356
CA	0.020	1.869	1.933
LV	0.011	1.102	0.890
RN	0.011	1.558	1.616
CE	0.052	0.376	0.207
HY	0.017	-0.119	-0.042
CV	0.177	0.714	0.680
PH1	0.042	1.165	1.017
PH2	0.006	1.535	1.696
PH3M	0.001	2.130	1.933
PU1	0.081	0.556	0.542
PU2	0.012	1.073	0.950
PU3M	0.004	1.304	1.473
TRIN	0.008	0.673	0.517
PL1	0.146	0.113	0.146
PL2	0.029	0.161	0.141
PL3M	0.009	-0.125	0.070
TOTAL CASES		**270,607**	**245,185**
DEATHS		**5,542**	**5,633**
Mortality	**Average Case**	**1.14%**	**1.27%**
	Observed	**2.05%**	**2.30%**
Interhospital Variance		**0.00005**	**0.00006**
MODEL CHISQ		**7,273**	**7,524**

Table 4.4

Diagnostic Category: GASTROINTESTINAL CATASTROPHES(GC)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.478	-2.309
RAG	1.124	-0.188	-0.470
RAGSQ	1.263	1.110	1.233
SEX	0.544	-0.121	-0.118
DI	0.061	-0.128	-0.164
OP	0.081	0.024	0.005
CA	0.083	1.040	1.067
LV	0.175	0.896	0.909
RN	0.062	0.651	0.680
CE	0.017	-0.424	-0.507
HY	0.019	-0.174	-0.304
CV	0.249	0.568	0.571
PH1	0.154	0.508	0.443
PH2	0.043	0.560	0.591
PH3M	0.02	0.716	0.575
PU1	0.155	0.270	0.292
PU2	0.034	0.430	0.490
PU3M	0.013	0.427	0.520
TRIN	0.022	0.327	0.313
PL1	0.112	0.197	0.143
PL2	0.017	0.344	0.174
PL3M	0.003	0.317	0.145
TOTAL CASES		52,534	52,907
DEATHS		18,040	18,329
Mortality	Average Case	32.5%	32.4%
	Observed	34.3%	34.6%
Interhospital Variance		0.00232	0.00229
MODEL CHISQ		5,175	5,215

Table 4.5

Diagnostic Category: GASTROINTESTINAL DISEASE(GI)

		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-4.605	-3.563
RAG	1.127	-3.714	-5.535
RAGSQ	1.270	3.467	4.257
SEX	0.558	-0.097	-0.124
DI	0.045	0.350	0.268
OP	0.093	0.207	0.246
CA	0.026	1.577	1.640
LV	0.013	1.294	1.373
RN	0.013	1.679	1.490
CE	0.016	0.092	0.097
HY	0.021	-0.134	-0.148
CV	0.228	0.772	0.771
PH1	0.046	1.011	1.007
PH2	0.006	1.463	1.458
PH3M	0.001	1.949	1.872
PU1	0.087	0.501	0.526
PU2	0.013	0.848	0.999
PU3M	0.003	1.269	1.067
TRIN	0.006	0.636	0.670
PL1	0.117	0.212	0.218
PL2	0.018	0.297	0.380
PL3M	0.004	0.459	0.297
TOTAL CASES		**461,326**	**451,765**
DEATHS		**13,703**	**13,776**
Mortality	**Average Case**	**1.8%**	**1.8%**
	Observed	**3.0%**	**3.0%**
Interhospital Variance		**0.00004**	**0.00004**
MODEL CHISQ		**16,023**	**16,232**

Table 4.6

Diagnostic Category: UROLOGIC DISEASE(GU)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-4.917	-4.723
RAG	1.120	-5.328	-5.528
RAGSQ	1.254	4.515	4.469
SEX	0.157	0.457	0.593
DI	0.039	0.354	0.454
OP	0.080	0.386	0.149
CA	0.038	1.395	1.430
LV	0.002	1.436	1.422
RN	0.017	1.451	1.473
CE	0.013	0.448	0.586
HY	0.015	-0.063	-0.012
CV	0.175	0.892	0.933
PH1	0.040	1.066	1.152
PH2	0.005	1.615	1.599
PH3M	0.000	1.974	0.000
PU1	0.078	0.721	0.636
PU2	0.011	1.060	1.087
PU3M	0.003	1.556	1.589
TRIN	0.006	0.201	0.646
PL1	0.119	0.238	0.165
PL2	0.017	0.431	0.491
PL3M	0.004	0.473	0.834
TOTAL CASES		271,619	277,784
DEATHS		4,922	4,634
Mortality	Average Case	0.9%	0.8%
	Observed	1.8%	1.7%
Interhospital Variance		0.00006	0.00005
MODEL CHISQ		8,032	7,689

Table 4.7

Diagnostic Category: GYNECOLOGIC DISEASE(GY)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-6.090	-9.179
RAG	1.091	-5.538	
RAGSQ	1.190	4.778	2.312
SEX	1		
DI	0.025	0.187	0.984
OP	0.038	0.540	0.132
CA	0.012	2.219	2.184
LV	0.002	1.689	1.887
RN	0.005	2.668	2.230
CE	0.009	0.912	0.347
HY	0.012	-0.536	0.307
CV	0.096	1.341	1.340
PH1	0.012	1.022	1.681
PH2	0.001	1.643	2.903
PH3M	0		
PU1	0.037	1.117	0.976
PU2	0.004	2.109	1.108
PU3M	0.001	2.208	1.559
TRIN	0.001	0.901	1.358
PL1	0.062	0.428	-0.305
PL2	0.006	0.996	0.626
PL3M	0	0.217	
TOTAL CASES		60,709	61,870
DEATHS		292	273
Mortality	Average Case	0.2%	0.2%
	Observed	0.5%	0.4%
Interhospital Variance		0.00003	0.00003
MODEL CHISQ		742	667

Table 4.8

Diagnostic Category: LOW-RISK HEART DISEASE(HL)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.416	-3.165
RAG	1.132	-4.227	-4.678
RAGSQ	1.281	3.188	3.381
SEX	0.550	-0.307	-0.298
DI	0.061	0.294	0.299
OP	0.093	0.187	0.200
CA	0.020	1.500	1.509
LV	0.003	1.155	1.227
RN	0.016	1.274	1.184
CE	0.019	0.070	0.035
HY	0.038	-0.127	-0.170
CV	0.517	0.584	0.544
PH1	0.090	0.919	0.880
PH2	0.012	1.447	1.440
PH3M	0.003	1.938	2.035
PU1	0.078	0.428	0.456
PU2	0.011	0.832	0.861
PU3M	0.003	0.963	1.195
TRIN	0.036	0.726	0.673
PL1	0.171	0.180	0.190
PL2	0.035	0.286	0.255
PL3M	0.011	0.430	0.426
TOTAL CASES		806,069	818,849
DEATHS		27,612	27,786
Mortality	Average Case	2.5%	2.4%
	Observed	3.4%	3.4%
Interhospital Variance		0.00002	0.00002
MODEL CHISQ		21,313	21,104

Table 4.9

Diagnostic Category: SEVERE CHRONIC HEART DISEASE (HM)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.613	-1.958
RAG	1.187	-2.450	-1.776
RAGSQ	1.409	2.052	1.735
SEX	0.551	-0.249	-0.237
DI	0.102	-0.020	-0.047
OP	0.187	0.008	0.003
CA	0.034	0.841	0.803
LV	0.008	0.855	0.711
RN	0.066	0.781	0.726
CE	0.020	-0.146	-0.081
HY	0.033	-0.340	-0.399
CV	0.594	0.118	0.080
PH1	0.202	0.629	0.633
PH2	0.061	0.975	0.951
PH3M	0.028	1.249	1.173
PU1	0.121	0.347	0.321
PU2	0.022	0.561	0.532
PU3M	0.006	0.771	0.654
TRIN	0.011	0.547	0.461
PL1	0.118	0.121	0.109
PL2	0.021	0.143	0.122
PL3M	0.005	0.192	0.205
TOTAL CASES		306,819	311,444
DEATHS		71,429	70,762
Mortality	Average Case	21.1%	20.6%
	Observed	23.3%	22.7%
Interhospital Variance		0.00037	0.00032
MODEL CHISQ		20,525	19,097

Table 4.10

Diagnostic Category: SEVERE ACUTE HEART DISEASE(HS)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-0.520	-0.386
RAG	1.156	-3.194	-3.497
RAGSQ	1.336	2.548	2.678
SEX	0.482	-0.048	-0.038
DI	0.083	0.145	0.174
OP	0.108	-0.163	-0.153
CA	0.028	0.606	0.556
LV	0.003	1.181	1.032
RN	0.029	0.846	0.817
CE	0.015	-0.486	-0.504
HY	0.033	-0.310	-0.286
CV	0.675	0.251	0.252
PH1	0.137	0.473	0.426
PH2	0.023	0.840	0.801
PH3M	0.006	1.217	1.172
PU1	0.083	0.350	0.357
PU2	0.013	0.663	0.633
PU3M	0.004	0.984	0.977
TRIN	0.043	-0.325	-0.448
PL1	0.105	0.114	0.110
PL2	0.017	0.230	0.150
PL3M	0.005	0.294	0.372
TOTAL CASES		252,802	246,665
DEATHS		98,629	94,172
Mortality	Average Case	37.7%	36.5%
	Observed	39.0%	38.2%
Interhospital Variance		0.00062	0.00067
MODEL CHISQ		15,388	14,457

Table 4.11

Diagnostic Category: METABOLIC/ELECTROLYTE DISORDERS(ME)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.571	-3.205
RAG	1.209	-1.183	0.267
RAGSQ	1.462	1.558	0.835
SEX	0.639	-0.478	-0.430
DI	0.067	0.032	-0.080
OP	0.088	0.025	0.024
CA	0.164	1.649	1.617
LV	0.010	0.925	0.866
RN	0.057	0.662	0.642
CE	0.082	-0.209	-0.264
HY	0.019	-0.252	-0.200
CV	0.249	0.664	0.625
PH1	0.176	0.541	0.544
PH2	0.040	0.865	0.776
PH3M	0.012	0.993	1.018
PU1	0.165	0.331	0.317
PU2	0.036	0.504	0.425
PU3M	0.015	0.671	0.624
TRIN	0.003	0.221	0.326
PL1	0.124	0.043	0.045
PL2	0.019	0.018	0.058
PL3M	0.004	-0.223	-0.116
TOTAL CASES		106,268	105,282
DEATHS		25,226	26,485
Mortality	Average Case	20.8%	21.8%
	Observed	23.7%	25.2%
Interhospital Variance		0.00206	0.00216
MODEL CHISQ		15,173	14,966

Table 4.12

Diagnostic Category: MUSCULOSKELETAL/SKIN CONDITIONS(OP)

VARIABLES Names	1987 Average Case	Coefficients 1986	1987
INTERCEPT	1	-3.731	-3.313
RAG	1.121	-5.093	-5.814
RAGSQ	1.257	3.932	4.244
SEX	0.666	-0.485	-0.469
DI	0.059	0.354	0.366
OP	0.066	0.384	0.463
CA	0.024	1.916	1.885
LV	0.004	1.516	1.573
RN	0.010	1.609	1.641
CE	0.023	0.273	0.295
HY	0.017	0.024	0.046
CV	0.170	1.019	0.985
PH1	0.031	0.999	1.058
PH2	0.004	1.533	1.447
PH3M	0.001	2.081	2.187
PU1	0.066	0.557	0.494
PU2	0.009	0.905	0.970
PU3M	0.003	1.318	1.433
TRIN	0.004	0.703	0.866
PL1	0.123	0.056	0.041
PL2	0.018	0.200	0.086
PL3M	0.004	0.378	-0.007
TOTAL CASES		598,973	585,696
DEATHS		12,993	13,186
Mortality	Average Case	1.2%	1.2%
	Observed	2.2%	2.3%
Interhospital Variance		0.00003	0.00004
MODEL CHISQ		18,431	18,616

Table 4.13

Diagnostic Category: PULMONARY DISEASE (PN)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.430	-2.601
RAG	1.191	-1.642	-1.152
RAGSQ	1.418	1.983	1.708
SEX	0.509	-0.340	-0.335
DI	0.055	0.096	0.104
OP	0.261	-0.300	-0.302
CA	0.084	1.063	1.070
LV	0.007	0.848	0.649
RN	0.031	0.974	0.849
CE	0.051	0.046	0.028
HY	0.020	-0.306	-0.299
CV	0.386	0.382	0.388
PH1	0.162	0.708	0.682
PH2	0.038	1.017	0.961
PH3M	0.012	1.235	1.227
PU1	0.134	0.547	0.530
PU2	0.028	0.852	0.818
PU3M	0.010	1.066	1.055
TRIN	0.008	0.194	0.133
PL1	0.095	0.226	0.234
PL2	0.014	0.186	0.266
PL3M	0.003	0.357	0.288
TOTAL CASES		338,897	339,986
DEATHS		86,566	87,977
Mortality	Average Case	22.3%	22.6%
	Observed	25.5%	25.9%
Interhospital Variance		0.00078	0.00072
MODEL CHISQ		40,378	38,547

Table 4.14

Diagnostic Category: RENAL FAILURE(RN)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-5.368	-4.716
RAG	1.112	4.038	2.488
RAGSQ	1.237	-0.173	0.572
SEX	0.493	-0.152	-0.132
DI	0.117	0.117	0.118
OP	0.061	0.194	0.230
CA	0.087	1.024	0.946
LV	0.014	1.524	1.263
RN	0.137	-0.097	-0.069
CE	0.026	-0.152	-0.011
HY	0.088	-0.406	-0.345
CV	0.349	0.611	0.642
PH1	0.224	0.384	0.377
PH2	0.058	0.677	0.651
PH3M	0.022	0.857	1.037
PU1	0.189	0.321	0.324
PU2	0.049	0.664	0.416
PU3M	0.021	0.792	0.794
TRIN	0.054	0.166	0.181
PL1	0.135	0.123	0.192
PL2	0.023	0.418	0.319
PL3M	0.004	0.615	0.462
TOTAL CASES		34,173	33,325
DEATHS		13,299	12,531
Mortality	Average Case	35.9%	33.0%
	Observed	38.9%	37.6%
Interhospital Variance		0.01353	0.01217
MODEL CHISQ		6,793	6,125

Table 4.15

Diagnostic Category: INFECTIOUS DISEASE(SE)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.963	-2.265
RAG	1.185	-0.879	-0.228
RAGSQ	1.404	1.327	0.967
SEX	0.578	-0.136	-0.120
DI	0.098	-0.010	-0.007
OP	0.073	-0.051	-0.053
CA	0.128	0.742	0.737
LV	0.016	0.956	0.976
RN	0.065	0.883	0.750
CE	0.041	-0.269	-0.324
HY	0.016	-0.376	-0.318
CV	0.267	0.513	0.517
PH1	0.184	0.589	0.563
PH2	0.045	0.766	0.731
PH3M	0.014	1.043	0.960
PU1	0.183	0.375	0.413
PU2	0.046	0.628	0.620
PU3M	0.019	0.840	0.796
TRIN	0.011	0.425	0.446
PL1	0.124	0.127	0.149
PL2	0.019	0.229	0.233
PL3M	0.003	0.422	0.250
TOTAL CASES		73,283	77,856
DEATHS		26,783	27,664
Mortality	Average Case	34.5%	33.7%
	Observed	36.5%	35.5%
Interhospital Variance		0.00195	0.00168
MODEL CHISQ		7,093	6,964

Table 4.16

Diagnostic Category: SEVERE TRAUMA(TR)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.219	-1.498
RAG	1.161	-1.628	-1.358
RAGSQ	1.348	1.514	1.460
SEX	0.479	-0.238	-0.244
DI	0.039	0.198	-0.063
OP	0.075	-0.372	-0.249
CA	0.033	1.108	0.821
LV	0.008	1.123	1.158
RN	0.013	1.190	1.110
CE	0.048	-0.969	-0.488
HY	0.015	-0.522	-0.172
CV	0.246	0.586	0.575
PH1	0.119	0.037	0.109
PH2	0.015	0.440	0.381
PH3M	0.003	0.790	0.924
PU1	0.092	0.113	0.213
PU2	0.014	0.237	0.401
PU3M	0.004	0.869	0.810
TRIN	0.051	-0.180	-0.172
PL1	0.096	-0.038	-0.026
PL2	0.013	0.308	-0.234
PL3M	0.003	-0.608	0.252
TOTAL CASES		11,730	11,777
DEATHS		3,326	3,306
Mortality	Average Case	26.3%	26.1%
	Observed	28.4%	28.1%
Interhospital Variance		0.00348	0.00303
MODEL CHISQ		688	621

Table 4.17

Diagnostic Category: ALL OTHER DISEASES (UN)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.699	-3.526
RAG	1.136	-2.133	-2.457
RAGSQ	1.290	2.307	2.435
SEX	0.581	-0.321	-0.293
DI	0.061	0.156	0.169
OP	0.122	0.249	0.240
CA	0.086	1.191	1.174
LV	0.008	1.442	1.429
RN	0.028	1.094	1.066
CE	0.032	0.009	0.019
HY	0.022	-0.219	-0.222
CV	0.275	0.678	0.660
PH1	0.081	0.886	0.918
PH2	0.014	1.335	1.327
PH3M	0.004	1.661	1.623
PU1	0.148	0.491	0.483
PU2	0.034	0.806	0.752
PU3M	0.018	0.853	0.736
TRIN	0.012	0.472	0.423
PL1	0.104	0.109	0.115
PL2	0.016	0.138	0.107
PL3M	0.003	0.079	0.086
TOTAL CASES		2,229,542	2,200,419
DEATHS		190,843	187,048
Mortality	Average Case	6.1%	6.0%
	Observed	8.6%	8.5%
Interhospital Variance		0.00008	0.00007
MODEL CHISQ		150,640	144,234

☆ U.S. GOVERNMENT PRINTING OFFICE: 1988—225-682/0

CMS LIBRARY
3 8095 00015193 2

HCFA Pub. No. 00653